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1909/10  
Vol. III.

No. 1

BULLETIN OF THE  
OKLAHOMA  
UNIVERSITY PREPARATORY SCHOOL

THE  
OF  
UNIVERSITY OF ILLINOIS

CATALOGUE

1909 - 1910 -- ~~1911~~



UNIVERSITY OF ILLINOIS

PRESIDENT'S OFFICE

TONKAWA, OKLAHOMA  
July, 1910

Entered as Second Class Matter at  
the Post Office at Tonkawa, Okla.,  
Pending Classification





## OKLAHOMA UNIVERSITY PREPARATORY SCHOOL.

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### BOARD OF REGENTS.

His Excellency, C. N. Haskell, Governor of Oklahoma.....Guthrie  
Secretary.....Hon. W. A. Brooks  
President.....Hon. M. M. Henderson

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### OFFICERS OF THE BOARD.

Hon. W. A. Brooks.....Oklahoma City  
Hon. M. M. Henderson.....Tecumseh





# FACULTY

JOHN ALLEY,

A. B., 1902, (Kingfisher College.)  
A. B., 1908 (Harvard) President, 1909.

GEORGE W. FINLEY,

B. S., 1896 (Kansas State Agricultural College.)  
1903, 1906, 1908, Student, University of Chicago, summer quarters.  
Instructor in Mathematics, 1902.

SAMUEL QUIGLEY,

M. D., 1895 (Iowa State Normal School.)  
A. B., 1905 (State University of Iowa).  
1905-1906, Graduate student, Harvard.  
1908, 1909, 1910, Student, University of Chicago, summer quarters.  
Instructor in English, 1903.

VIRA E. CASS,

1902-1903, Student, University Preparatory School.  
1905, Student, Long Beach Business College, summer term.  
Instructor in Stenography, 1903.

ANNA R. TODD,

A. B., 1904, (Baker University.)  
1907, Student, University of Chicago, summer quarter.  
Instructor in English, 1905.  
Dean of Women, 1910.

FREDERICK B. ISELY,

B. S., 1899 (Fairmount College.)  
M. S. 1909 (University of Chicago.)  
1909, Student, Marine Biological Laboratory, Woods Hole, Massachusetts, summer session.  
Instructor in Biological Sciences, 1906.

ELMER C. BOHON,

B. P., 1894 (Western College.)  
B. S. D., 1897 (Missouri State Normal School.)  
1901-1902, Student, Harvard University.  
B. S., 1904 (Missouri University.)  
1906, Bradley Polytechnic Institute, summer term.  
1909, Student, University of Chicago, summer quarter.  
Instructor in Manual Training, 1906.

ELLA HAZEL CLARK,

A. B., 1905 (University of Illinois.)  
1907-1908, Columbia University, summer term.  
Instructor in Domestic Science, 1906.

EARL J. LOWE,

B. S. A., (Perdue University).  
Instructor in Agriculture, 1907.

JACOB SAUERWEIN,

1887-1895, Violinist in Boyd's Theatre, Omaha, Nebraska.  
1895-1900, with Pittsburg Symphonic Orchestra.  
1902-1908, Band Master, Fourth Infantry, U. S. Army.  
Director of Band and Orchestra and Instructor in Orchestral Instruments, 1908.

LOIS BORLAND,

Graduate of Kansas State Normal School, 1899.  
A. B., 1906, (Kansas University.)  
1908, Student, Harvard Summer School.  
Instructor in Grammar and Composition, 1908.

FRANK LESLIE BLACK

A. B., 1905 (Christian University.)  
A. M., 1906 (Christian University.)  
A. M., 1908 (University of Chicago.)  
Instructor in Latin and Greek, 1908.

MARGARET SUE BURNEY,

A. B., 1904 (University of Arkansas.)  
1910, Student, University of Chicago, summer quarter.  
Instructor in Mathematics, 1908.



- FRANK W. GILLIS,  
 1904 (Graduate of Denver College of Music.)  
 1907-1908 (Certificate from New England Conservatory.)  
 1909, 1910, Student, American Conservatory, Chicago, Ill., summer sessions.  
 Director of Music Department, 1910.
- ALVAH L. PEER,  
 1899 (Graduate of the Kansas Wesleyan Business College.)  
 1901 (Student, Zanerian Art College.)  
 1906 (Life Certificate from the American Commercial Schools Institution, Washington, D. C.)  
 Director Commercial Department, 1908.
- JAMES ROTHENBERGER,  
 1878 (Graduate of State Normal, Chur, Switzerland.)  
 A. B., 1897 (Dakota University.)  
 1898, Graduate Student, Chicago University.  
 Instructor in Modern Languages, 1908.
- ARTHUR W. BRIGGS,  
 B. P. E., 1907 (Springfield Y. M. C. A. Training School.)  
 Director of Physical Training and Athletics, 1908.
- ULYSSES G. DUBACH,  
 Life Certificate, 1907 (Kansas State Normal School.)  
 A. B., 1908 (Indiana State University.)  
 A. M., 1909 (Harvard University.)  
 1910, Student, University of Wisconsin, summer term.  
 Instructor in History, 1909.
- DON H. WHEELER,  
 Ph. B., 1905 (Grove City College.)  
 B. O., 1908 (Leland Powers School of Oratory.)  
 A. M., 1909 (Grove City College.)  
 Instructor in Public Speaking, 1909.
- MARY E. PITTENGER,  
 B. F. A., 1904 (Ohio Northern University.)  
 Instructor in Drawing and Art, 1909.
- LIEUTENANT THOMAS T. DUKE, TWENTY-THIRD INFANTRY, U. S. A.  
 Instructor in Military Science and Tactics.
- J. A. KNOTTS,  
 M. Accts., 1907 (Salt City Business College, Hutchinson, Kansas.)  
 Instructor, Commercial Department, 1909.
- HENRY A. CAMPBELL,  
 A. B., 1902 (Kingfisher College.)  
 1910, Student, University of Chicago, summer quarter.  
 Instructor in Commerce, 1909.
- CARRIE E. STAGGS,  
 A. B., 1908 (Stevens College.)  
 Instructor in Piano and Harmony, 1910.
- HELEN L. FOX,  
 1908, Graduate, Sargent Normal School of Physical Education.  
 Instructor in Girls' Gymnasium and Assistant in English, 1910.
- ROBERT P. CALVERT,  
 B. S., 1909 (Oklahoma University.)  
 M. S., 1909 (Oklahoma University.)  
 1910, Student, University of Chicago, summer quarter.  
 Instructor in Physics and Chemistry, 1910.
- 
- Instructor in Piano, Harmony and History of Music, 1910.
- 
- Assistant in Manual Training, 1910.

#### EMPLOYEES

TERRENCE O. WESTHAFFER.....Secretary to the President  
 ROSA L. WOLFE.....Librarian  
 JENNIE H. COLE.....Assistant Librarian  
 E. G. CAMPBELL.....Engineer and Mechanic  
 A. H. HELMBRECHT.....Head Janitor



## CALENDAR FOR SCHOOL YEAR.

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### 1910-1911.

Sept. 12, Monday—Regular meeting of the Faculty, 2 p. m.  
Sept. 13 Tuesday—First semester (nineteen weeks) begins, 8 a. m.  
Sept. 13, Tuesday—Enrollment of students, 8 a. m. to 5 p. m.  
Sept. 14, Wednesday—Meeting of classes for first recitations, 8 a. m.  
Sept 14, Wednesday—First chapel exercise, 10:15 a. m.  
Nov. 24, Thursday—Thanksgiving Day, holiday.  
Dec. 22, Thursday—Christmas recess begins, 4:30 p. m.

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### 1911.

Jan. 3, Tuesday—All work resumed, 8 a. m.  
Jan. 27 and 28, Friday and Saturday,—First semester examinations.  
Jan. 31, Tuesday—Second semester (eighteen weeks) begins, 8 a. m.  
Jan 31, Tuesday—Re-scheduling of students, 8 a. m. to 5 p. m.  
Feb. 1, Wednesday—Meeting of classes for recitations, 8 a. m.,  
May 28, Sunday—Commencement sermon, 3 p. m.  
May 29 and 31, Monday and Wednesday—Final Examinations.  
May 30, Tuesday—Memorial Day exercises.  
May 31, Wednesday—Competitive drill, U. P. S. Battalion of Cadets,  
2:30 p. m.  
May 31, Wednesday—Recital by graduates in music, 3:30 p. m.  
May 31, Wednesday—Senior Play, 8:30 p. m.  
June 1, Thursday,—Inter-society contest, 9 a. m.  
June 1, Thursday—Athletic and gymnastic demonstration, 2 p. m.  
June 1, Thursday—Annual concert by Fine Arts department, 8:30 p. m.  
June 2, Friday—Commencement exercises, 9 a. m.  
June 2, Friday—Exhibition drill and maneuvers, 2:30 p. m.  
June 2, Friday—Inspection of exhibits, 3:30 p. m.  
June 2. Friday—Alumni Banquet, 8:30 p. m.

## SUMMARY OF ADVANTAGES.

OFFERED BY THE UNIVERSITY PREPARATORY SCHOOL.

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I. It is maintained by the state.

II. It has an army officer detailed by the war department. The U. S. government supplies ordnance and ordnance stores without expense to the school.

III. The expenses are extremely low. Tuition is free in all departments. There are no fees.

IV. The buildings are of brick and stone, are heated by steam, and are thoroughly equipped with modern appliances and improvements.

V. Its diploma admits to unconditional freshman standing in the State University of Oklahoma, the University of Kansas, the University of Chicago, and similar institutions.

VI. Free instruction is given in Music, Public Speaking, Drawing and Art.

VII. Fully equipped departments in Manual Training, Household Arts, Agriculture, and Commerce are maintained.

VIII. Military Science and Tactics and Physical Training are important departments.

IX. The flexible administration of its program of studies allows great freedom in the selection of courses.

X. An act of Congress, June 29, 1906, donated to the school for a new building a section of land adjoining the city of Tonkawa. The enabling act and state constitution gave the school an endowment of 150,000 acres of land. The legislature has divided "Section Thirteen Fund, State Educational Institutions," so that the U. P. S. receives three-eighths of one-third given by the state constitution for the use and benefit of the University and the University Preparatory School. These facts insure liberal support and permanence.

XI. It emphasizes athletics, and physical training, and has a fine gymnasium thoroughly equipped.

XII. It has an exceptionally strong faculty of twenty-eight college and university-trained men and women, representing many of the leading colleges and universities of the United States.

## GENERAL INFORMATION

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### ORIGIN, LOCATION, AND GROWTH.

The Oklanoma University Preparatory School was founded and located at Tonkawa by the following enactment of the territorial legislature, approved March 8, 1901:

"There is hereby created and established a University Preparatory School for the Territory of Oklahoma, which shall be located within one mile from the corporate limits of the town of Tonkawa, in Kay County, in the Territory of Oklahoma, to be known as the University Preparatory School."

Complying with the condition of the act relative to a campus, the town of Tonkawa donated to the territory twenty acres of land adjoining the town on the east. Upon this site the first board of regents constructed a substantial four-story building, Central Hall, of limestone and pressed brick admirably adapted to its purpose and containing the maximum available space.

The school opened in September, 1902, with a faculty of seven instructors, and an enrollment of two hundred twenty-seven students. During the year the number increased to three hundred fifteen, and three additional teachers were employed. The school had already outgrown its building.

To relieve the overcrowded condition, the legislature of 1905 made an appropriation of \$60,000 for additional buildings. The buildings were begun in September, 1906, and by September, 1907, both the heating plant and Wilkin Hall were completed.

During the year 1909-10 the faculty was composed of twenty-seven instructors. The enrollment was 502.

### BUILDINGS.

The first floor of Central Hall is devoted to the industrial arts: the manual training department occupying

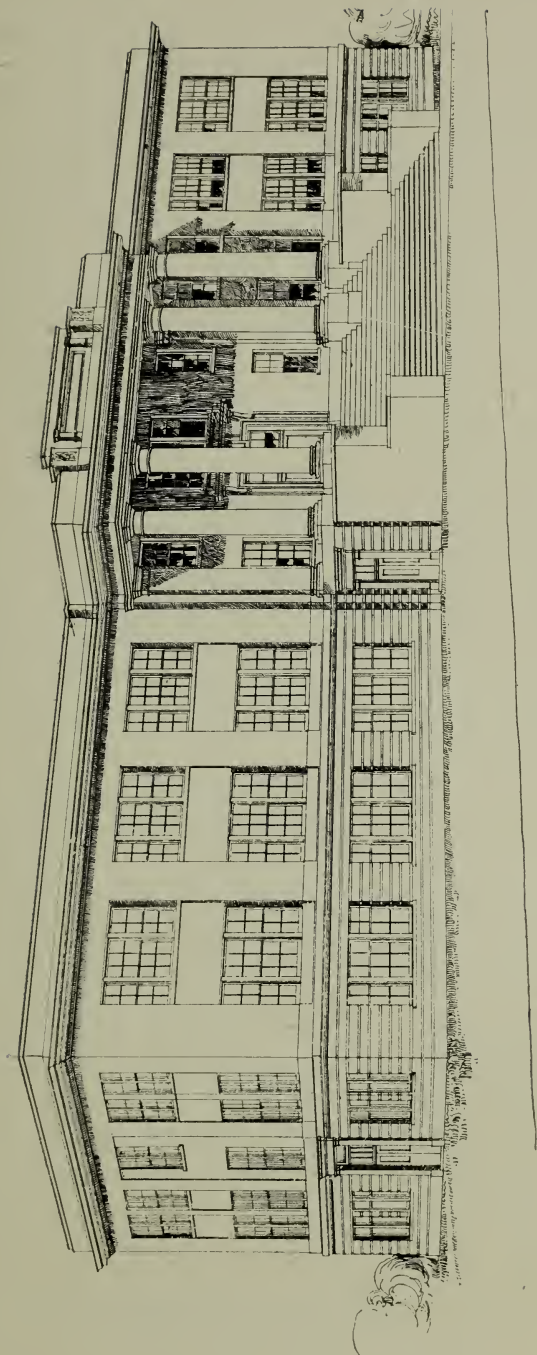
two completely equipped shops; the department of domestic science having a kitchen laboratory, a dining room, and a sewing room. The second floor is devoted to Mathematics, Agriculture, Drawing and Art, and the Modern Languages. The *Crimson Rambler* office is on this floor. The third floor is used by the Commercial Department. The Y. M. W. C. A. rest room is on this floor. Music and society halls occupy the fourth floor.

In Wilkin Hall there are also four floors: On the first are the gymnasium, 65x70 feet, two bath rooms, the armory, and three class rooms; on the second, the two offices and reception room, the library and reading room, the cloak and toilet rooms, and the auditorium, with a seating capacity of one thousand persons; on the third, are the Biological laboratories and class room, Physics and Chemistry laboratories, the store room, and several class rooms. The fourth floor is occupied by the music department.

The heating plant contains two furnaces and two boilers, coal bin, heater and hot-water tank, and the mechanics's shop.

Two new buildings, now in course of construction, will be ready for occupancy early in the school year. One of these will be a recitation hall, substantial and strictly modern in construction. On the first floor of this building will be the commandant's offices, the armory, and other rooms for the use of the military department. Here, too, will be the Boys' Common Room, a bright, cheerful, home-like place where the boys of the school will be welcome at any time, and free to amuse themselves in any legitimate way. On the second floor will be the Library and the department of Household Arts. And on the third floor will be housed the Music, Public Speaking, Mechanical Drawing, and Art. The building will be a model of convenience and compactness.

The new Gymnasium will be one of the finest and best equipped structures of the kind in the Southwest. It will contain an indoor track and a large swimming pool. The



NORTH HALL







absence of pillars and all obstructions will make it an ideal place for indoor baseball, basketball, etc.

The old gymnasium, in Wilkin Hall, will belong exclusively to the girls. This will afford them double the accommodations in bath and locker room.

### **SUPPORT.**

The school is supported from the following sources:

1. Legislative appropriation.
2. One-eighth of "Section Thirteen Fund, State Educational Institutions."
3. A proportionate share, based upon the school's acreage in the enabling act grant, of the new college fund.

### **TONKAWA.**

Tonkawa, a city of 2,500 population, is in the southwestern part of Kay County, on the Hunnewell branch of the Santa Fe route. It is located on an elevation in the Salt Fork Valley, is surrounded by some of the finest agricultural land in Oklahoma, has an excellent supply of water, and is a most healthful locality. Tonkawa has municipal water works and sewer system, and an electric light plant.

### **PURPOSE, SCOPE, AND EXPENSE,**

The main purpose of the school is stated in the act of 1901, as follows:

"The purpose of such school (the University Preparatory School) shall be to provide instruction for the students of Oklahoma, which will prepare said students for a university course of study."

The Preparatory School has broadened and enriched its program of studies by adding to the regular preparatory program Manual, Physical, and Commercial Training, Agriculture, Domestic Science, Military Science and Tactics, Public Speaking, Drawing and Art, and Music, thus keeping in mind the needs of all classes of secondary students.

The aims of the school are as follows:

1. To create a thoroughly democratic spirit charac-

terized by self-respect, regard for others, and correct ideals of life.

2. To awaken in all students, by the right sort of teaching, an interest in serious intellectual pursuits, so that all will desire a university education.

3. To train the students for adjustment to their environments, so that they may render efficient social service.

#### REQUIREMENTS FOR ADMISSION

1. All students who have diplomas from the common schools are admitted to the regular first-year work without examination.

2. Eighth-grade promotion cards from graded schools are accepted in lieu of common-school diplomas.

3. Students from high schools, who present certificates showing satisfactory records in branches completed, are admitted and classified temporarily on such certificates.

4. All other applicants for admission must take an examination in the following subjects: Reading, Spelling, Grammar, Arithmetic, United States History, and Geography, and must make a general average of 75 per cent, with no branch below 60 per cent.

#### EXPENSES.

*Tuition.*—Tuition is free in all departments to residents of Oklahoma. The only restriction is that in order to be entitled to free instruction in music, students must take at least three regular studies, one of which shall be English.

Estimate of the necessary expenses for a school year of thirty-seven weeks:

	Moderate.	Liberal
Board and room, 37 weeks at \$3 to \$4, \$111.00		\$148.00
Books .....	8.00	12.00
Laundry.....		--
Military uniform .....	14.00	14.00
Gymnasium suit.....	3.00	6.00
	<hr/>	<hr/>
	\$146.00	\$198.00

## SCHOOL ORGANIZATIONS AND OTHER POINTS OF INTEREST

### THE ALUMNI ASSOCIATION.

The Alumni Association is composed of all who have been graduated from the regular preparatory course, though active membership is limited to those who pay annual dues. The regular meetings of the association are held during the annual commencement season, at which time the alumni give a literary program, receive new graduates into membership, and hold a banquet.

### RELIGIOUS.

*Chapel Exercises.*— In the chapel exercises all students meet for an hour of inspiration. Here they sing the greatest sacred songs and participate in other exercises which are dignified and thoroughly Christian, though not sectarian.

*Young Men's Christian Association.*— The Y. M. C. A. has for its purpose the preserving and advancing of the spiritual life of the boys of the school. Religious services and Bible-study classes are held on Sunday afternoons.

Members of the association are prepared to meet all new students at the trains and to help them in securing suitable boarding places.

*Young Women's Christian Association.*—This association has become an important factor in the religious and social life of the girls. Receptions to new students are held at the opening of each semester, and other social gatherings occur at various times.

Regular devotional and Bible-study meetings are held each week.

On the third floor of Central Hall the girls maintain a rest room. This is furnished comfortably, and provides a quiet retreat for the young women.

The Y. W. C. A. is prepared to meet all trains, at the opening of school, and to assist new students in every possible way.

*Churches.*—The city churches welcome all students and try to make them feel at home. The following church organizations are doing active work in Tonkawa: Baptist,

Christian, Methodist Episcopal, Free Methodist, Presbyterian, and Catholic.

#### LITERARY.

*Literary Societies.*—There are five of these: The Fergusonian and Senate for young men; the Athenian, Literatae, and Sorosis for young women. These organizations are intended to cultivate literary taste and the spirit of sound criticism, to develop the necessary qualities of public speaking, and to teach the methods and rules of legislative bodies.

All literary work is under the careful supervision of the departments of English and Public Speaking. All written productions and briefs for debate must be in the hands of the department of English on Tuesday morning preceding the Saturday on which they are to be given, and all productions must be rehearsed as the teacher of Public Speaking may direct. These societies enjoy the fullest liberty in regard to the selection of officers, plans for programs, adoption of rules and regulations, etc. Candidates for society work become eligible on the recommendation of the English department, and must receive a majority vote of the society to become members. No literary or other society can exist in the school except under constitution and by-laws approved by the faculty. Credit in Public Speaking is given for this work.

*School Paper.*—The Crimson Rambler, the school paper, is published monthly during the school year, by the various classes and organizations. The present system, by giving the editorial work to a different organization each month, affords experience to a large number of students, and creates wholesome rivalry among the various classes and societies. The only permanent member of the staff is business manager. For 1909-'10 the position of business manager was very ably filled by Mr. Bert Brooks.

#### MUSICAL.

*Band.*—A band of twenty-five young men is formed each year. Besides assisting in entertainments and giving oc-



casional concerts, it furnishes music at the various athletic contests held at the University Preparatory School, and for dress parade of the cadet companies. Band work is in lieu of regular drill, except that members must take sufficient drill to enable the band to appear creditably upon the drill ground. Rehearsals four times a week, from 8 to 8:45 a. m.

*Orchestra.*— The orchestra consists of about thirty young men and young women. It furnishes music for chapel, lecture course numbers, commencement programs, and indoor athletic meets. Rehearsals Wednesday and Friday from 3:45 to 4:45.

*Glee Club.*— Twenty-four young men meet Tuesday and Thursday afternoons from 3:45 to 4:45 to commit and rehearse choruses and glee club songs.

*Ladies' Chorus.*— On Wednesday and Friday at 3:45 the young ladies of the school, who sing, meet for regular rehearsal.

#### LIBRARY.

The library is elegantly and completely furnished in quarter-sawed oak tables, stacks, magazine files and racks, dictionary holders, and card catalogue file. The walls are decorated with reproductions of the greatest masterpieces of art, including three fine Elson art pictures.

The room is accessible to students from 8 a. m. to 10 p. m., except Sundays.

The shelves contain 3,000 volumes (exclusive of government documents) of most carefully selected reference books, several complete sets of English texts and classics, and a rapidly growing collection of bound volumes of the best periodicals. These books are catalogued under the Dewey system, and are carefully analyzed, so as to be of the greatest possible service to the students.

The library subscribes for the Atlantic, Century, Bookman, Review of Reviews, Outlook, Literary Digest, Scientific American, Popular Science Monthly, and most of the better class of cheaper periodicals. On the newspaper file

are to be found seven dailies and many weeklies. The *Crimson Rambler* exchange table is in the library and contains nearly 100 excellent school papers.

#### LECTURE AND ENTERTAINMENT COURSE.

The Lecture Course, under the auspices of the Christian Associations is well supported and employs the best available talent. On the average, this affords one high-class entertainment each month. The course for 1910-11 will cost about \$1100.

Three grades of season tickets are sold, \$2.00, \$1.50, and \$1.00. This means that the best seats in the auditorium may be had for 25 cents for each entertainment.

#### ATHLETIC ASSOCIATION.

This association has for its object the encouragement and advancement of physical education and hygienic training of persons in connection with the University Preparatory School. It is also intended to foster and supervise athletic games; viz., football, tennis, baseball, basket ball, track athletics, and gymnasium exhibitions. Membership is open to students, graduates, and members of the faculty. Annual dues are 50 cents.

Interscholastic games are arranged by the physical director, who looks after the finances and accompanies the teams on their trips out of town.

No student is allowed to participate in athletics to the detriment of his literary work.

#### BEGINNING OF SESSION.

The school year will begin on the 13th day of September, 1910, and will close on the 2nd day of June, 1911.

All students should present themselves punctually at the opening of the session. The loss of a few recitations at the beginning of the year may prove to be a serious embarrassment to subsequent progress.

Each student is enrolled in one of the regular classes and is assisted in making out his schedule by a member of the faculty. This card is made out in duplicate and, when approved by a committee of the faculty, admits the student



to his classes. The duplicate is filed in the office. No change can be made in a student's schedule without consent of the president, as well as of the committee who first approved it.

#### EXAMINATIONS.

An hour examination is held at the close of the first month of each semester, the mid-year at the close of the first semester, and the final at the close of the school year. Written tests within the recitation period may be held at any time during the session at the option of the instructors. In making out the grade of a student, equal weight is given to the daily standing during the term and to the written examination. Students falling below the minimum grade are required to repeat the work the next year.

#### REPORTS AND ATTENDANCE.

Report cards concerning class standing are given students after the close of each month. Special reports are sent at the request of parents.

Students are required to attend all exercises of the classes in which they are scheduled. All irregularities in attendance are reported to the office. After an absence or tardiness, if there is an excuse, it should be reported to the office. If the excuse is satisfactory the irregularity will not affect the student's grade. If no excuse is offered, or if the excuse is not satisfactory, the absence or tardiness remains unexcused, and may affect the grade at the option of the teacher. Deliberate cutting of classes is sufficient cause for suspension.

After a student has been absent three successive days, his name is dropped from class rolls. In order to be readmitted to his classes, he must procure from the office a card of readmission.

If a student knows that he must be absent from any class, he should procure leave of absence *before* the absence occurs.

Students who are compelled to withdraw from the school before the close of the semester should procure from the office an honorable dismissal.

A student's standing is indicated by letters with the following values:

- A.    Excellent.
- B.    Very good.
- B-    Good
- C.    Fair.
- C-    Passable.
- D.    Barely passable.
- E.    Conditional.
- F.    Failure.

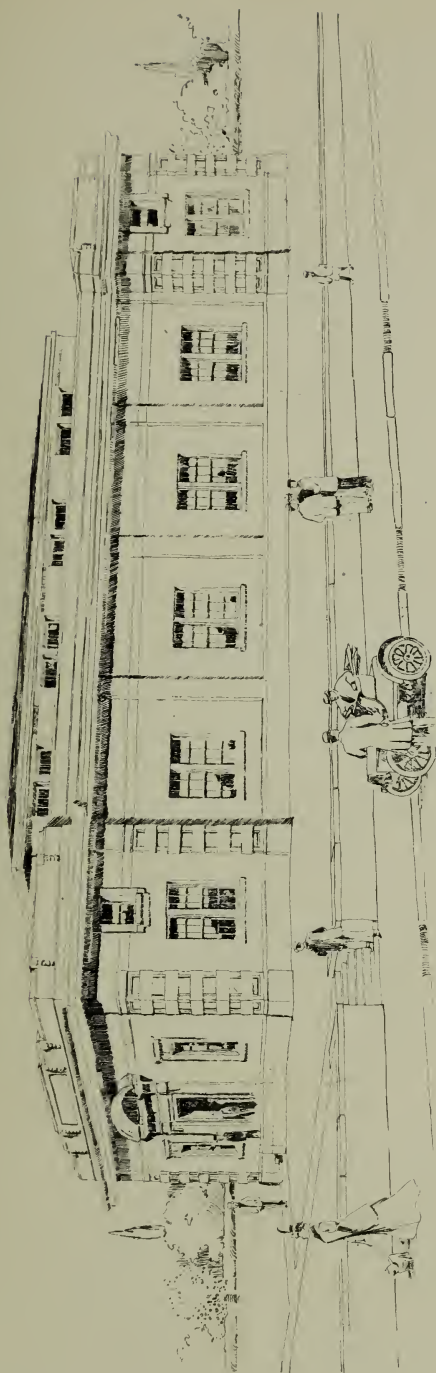
### **VISITORS.**

Visitors are welcome at all times, and special arrangements are made to assist them to see the various departments at work. The interest of parents manifested by visiting the classes of their children is especially appreciated.

### **CO-OPERATION WITH THE UNIVERSITY OF CHICAGO**

After a thorough examination of the scope of the work and methods used in the University Preparatory School, the University of Chicago, in 1908, placed the school upon its list of co-operating secondary schools. This affiliation implies recognition by the university, of the high-grade work done in the U. P. S., and grants full credit for all the work done here. The university offers an annual scholarship, worth \$120, to the student recommended by the faculty as best fitted to enter that institution; and, in addition, the opportunity of competing in the Maroon Interscholastic Field and Track Meet; or for the oratorical scholarship, worth also \$120, and for other prizes.

Mr. Earl R. Hutton, '08, was awarded the scholarship for the year 1908-09; Miss Edna M. Faris, 1909-10; and Miss Altha Bierbauer, 1910-11.



THE GYMNASIUM



## GRADUATION REQUIREMENTS

Fifteen majors and twelve minors are necessary for graduation. \*A major is a course of study covering the school year of thirty-seven weeks with five periods of forty-five minutes each week. A minor is a course of study covering the school year of thirty-seven weeks with two or three periods of forty-five minutes each week. Minor subjects are for the most part drill and practice studies and require very little outside study.

In computing graduation units:

(a) Laboratory periods are counted one-half recitation periods.

(b) Subjects in group VII, as Manual Training Household Arts, Bookkeeping, Typewriting, etc., are rated at one-half the time spent under supervision.

(c) Individual work in music, public speaking, art, vocal music, and piano is rated according to the amount of time a student devotes to them and the proficiency that he attains in them.

(d) Courses to count for credit must be completed as offered. Half-major credit will not be granted for one semester's work in full year courses.

### SUBJECTS FOR GRADUATION.

The subjects for which graduation credit is given, together with the number of units, are arranged in nine groups, as follows:

#### MAJOR STUDIES.

GROUP I,  
English

English, five and  
one-half majors

Three majors are  
required.

GROUP II,  
History.

Ancient, one major.  
Mediaeval and Modern,  
one major.  
English, one major.  
American History  
and Civil  
Government, one major.  
Political Economy, one-  
half major.

Two majors are  
required.

\*Students from other schools who enter with advanced credits may offer one major in lieu of six minors if time will not permit the completion of the minors required.

GROUP III. Mathematics.	<div> <div>*Com. Arithmetic, one major.</div> <div>Elementary Algebra, one major</div> <div>Advanced Algebra, one-half major.</div> <div>Plane Geometry, one major.</div> <div>Solid Geometry one-half major.</div> <div>Surveying, one-half major.</div> <div>Plane Trigonometry, one-half major.</div> </div>	Two majors are required.
GROUP IV., Foreign Languages.	<div> <div>Latin, four majors.</div> <div>Greek, one major.</div> <div>German, three majors.</div> <div>French, two majors.</div> <div>Spanish, one major.</div> </div>	Two majors are required and must be in one language.
GROUP V., Physical Sciences.	<div> <div>Physical Geography, one major.</div> <div>Chemistry, one major.</div> <div>Physics, one major.</div> </div>	One major is required.
GROUP VI., Biological Sciences.	<div> <div>Botany, one major.</div> <div>Zoology, one major.</div> <div>Advanced Physiology, one-half major.</div> </div>	One major is one required

\*Commercial Course.

GROUP VII., Occupational Subjects.	<div> <div>*Man. Tr. and Mch. Dr., three majors.</div> <div>*Household Arts, two and one-half majors.</div> <div>Stenography, one major.</div> <div>Typewriting, one major.</div> <div>Bookkeeping, one major.</div> <div>Penmanship, one major.</div> <div>Office Practice, one major.</div> <div>*Commercial Law, one-half major.</div> <div>*Commercial Geo., one-half major.</div> <div>*Agriculture, two majors.</div> <div>*Hist. of Commerce, one-half major.</div> <div>*Elementary Psychology, one-half major.</div> <div>*School Management. one-half major.</div> </div>	*Two majors from the courses indicated may be offered from this group for College Preparatory Diploma.
GROUP VIII., Music and Art.	<div> <div>Drawing, one major.</div> <div>Art, one major.</div> <div>Public Speaking, two majors</div> <div>Vocal Culture, two majors.</div> <div>Piano, two majors.</div> <div>Violin, two majors.</div> </div>	A major in Drawing may be offered for college entrance.

### MINOR STUDIES

GROUP IX., Minor Subjects.	<div> <div>Physical, Training, four minors.</div> <div>Military Science, four minors.</div> <div>Drawing, three minors.</div> <div>Sight Singing, two minors.</div> <div>Penmanship, one minor.</div> <div>Piano, two minors.</div> <div>Violin, two minors.</div> <div>Rhetoricals, three minors</div> </div>	<p>Twelve minors are required.</p> <p>BOYS—Four in Military Science, four in Phy. Tr., one in each of the following: Drawing, Sight Singing, Rhetoricals, and Penmanship. GIRLS—Four in Phys. Tr., one in each of the following: Drawing, Sight Singing, Rhetoricals, and Penmanship. Four others must be elected.</p>
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### **DIPLOMAS.**

Although students are urged to take all the work leading to the regular college preparatory diploma, conditions in this locality are such as to make the granting of a general diploma seem advisable. Therefore, the diplomas of the school are of two kinds, College Preparatory and General.

The College Preparatory diploma is given to students who complete satisfactorily twelve minors and eleven majors of required work, one additional major in mathematics, one additional major in foreign languages, and two other majors elected from any of the above groups excepting VIII.

The General Diploma is given to the students who complete satisfactorily ten majors, the nine required majors, (For the General Diploma foreign languages are made elective) and six elective majors, not more than four of which may be chosen from any one of the groups.

### **CLASSIFICATION OF STUDENTS ABOVE FIRST YEAR**

Students who have completed at least eleven units of work in the U. P. S., for college entrance, may classify as seniors. At least seven units of such work entitle the student to third-year standing; and three admit the candidate to the second-year class.

The same regulation as to quantity of work applies to students entering the U. P. S. from other accredited high schools and academies.

Properly certified grades from accredited high schools and academies are given credit for face value, without examination of the candidate. But students applying for advanced standing from high schools not fully accredited, are admitted to advance classes for one semester, on trial. If their work proves satisfactory, they are given credit for the estimated unit-value of the studies offered for advanced

standing, without further examination. Students failing in the first semester's work are required to reclassify.

#### ADVICE AS TO CHOICE OF PROGRAM OF STUDIES

The University Preparatory School very strongly recommends the college preparatory programs outlined below for all students, believing that this training is, as a rule, the best even for those that cannot continue their studies in the higher institutions of learning. However, as in all schools of a similar character, there is always a strong demand for the more practical studies, by students unable to continue their work beyond the Preparatory School. This need is most admirably met by the programs that place emphasis on Manual Training, Household Arts, Business, and Agriculture.

With these facts in mind the following programs are designed to meet the needs of seven classes of students:

(1) Those that expect to go to the University. For this class, the Classical, the Modern Language, and the Scientific programs are adapted. Completion of these courses will meet without condition the entrance requirements of the best universities in the United States.

(2) Those who expect to enter a technical school or to engage in the mechanical arts. Suitable preparation for such work may be obtained by pursuing the Manual Training program of study.

(3) Those who expect to enter Agricultural and Mechanical colleges for advanced work, or are interested in the science of agriculture and scientific farming. For this class the Agricultural program of study is offered.

(4) The Household Arts program will meet the needs of the girls as the Manual Training program meets the needs of the boys.

(5) The English program permits a wide election in occupational, science, and history studies.

(6) Those who are looking toward a business career

will find the Commercial program a most thorough training for the demands of modern business.

(7) The Music, Art and Public Speaking program permits wide election in these special subjects. From the standpoint of preparation and effort this program is fully as exacting as any offered.

## TABULAR OUTLINE OF COURSES, GIVING SUGGESTIVE PROGRAMS OF STUDY.

### College Preparatory Programs.

#### FIRST YEAR.

Classical.	Modern Language.	Scientific.
English I .....5	English I .....5	English I .....5
Algebra .....5	Algebra .....5	Algebra .....5
Latin I .....5	Latin .....5	Latin I .....5
Phys. Geo. ....7	Man. Tr. or .....8	Phys. Geo. ....7
Drawing .....5	fl. A. ....	Drawing .....2
Sight Singing .....3	Drawing .....2	Sight Singing .....3
Penmanship .....3	Sight Singing .....3	Penmanship .....3
	Penmanship .....3	

#### SECOND YEAR.

English II .....5	English II .....5	English II .....5
Geometry .....5	Geometry .....5	Geometry .....5
Latin II .....5	German I .....6	History I .....5
History I .....5	History I .....5	Botany .....7
Drawing .....2	Drawing .....2	Drawing .....2
Rhetoricals .....1	Rhetoricals .....1	Rhetoricals .....1

#### THIRD YEAR.

English III .....5	English III .....5	English III .....5
Geometry .....5	Geometry .....5	Geometry .....5
Algebra .....5	Algebra .....5	Algebra .....5
Latin III .....5	German II .....5	French I .....5
Zoology .....7	Zoology .....7	Chemistry .....7
Rhetoricals .....1	Rhetoricals .....7	Rhetoricals .....1
Piano .....2		Drawing .....2

#### FOURTH YEAR.

English IV .....5	German III .....5	English IV .....5
Latin IV .....5	French I .....5	French II .....5
Physics .....7	Physics .....7	Physics .....7
Hist. & Civ. IV.....5	Hist. & Civ. IV.....5	Hist. & Civ. IV.....5
Rhetoricals .....1	Rhetoricals .....1	Rhetoricals .....1

Physical Training required of all students, and Military Science of all able-bodied male students.

\*Half-year, or half-major courses.

## General Preparatory Programs.

## FIRST YEAR.

## Manual Training

English I .....	5
Algebra .....	5
Man. Tr. I .....	8
Phys. Geo. ....	7
Drawing .....	2
Sight Singing ..	3
Penmanship .....	3

## Agriculture

English I. ....	5
Algebra... ..	5
Man. Tr.... ..	8
Agriculture I. ....	7
Sight Singing.....	3
Penmanship.....	3
Drawing.....	2

## Commercial

English I .....	5
Algebra .....	5
Man. Tr. or H. A. ..	8
Phys. Geo. ....	7
Drawing .....	2
Sight Singing .....	3
Penmanship .....	3

## SECOND YEAR.

English II .....	5
Geometry .....	5
Man. Tr. II .....	10
History I .....	5
Drawing .....	2
Rhetoricals .....	1

English II .....	5
Geometry .....	5
Agriculture II .....	7
History .....	5
Drawing .....	2
Rhetoricals .....	1

English II .....	5
Com. Arith. II .....	5
Botany .....	7
Com. Geo. ....	5
Com. Law .....	5
Sight Singing .....	3
Rhetoricals .....	1

## THIRD YEAR.

English III .....	5
Sol. Geom. ....	5
Adv. Alg. ....	5
Man. Tr. III .....	10
Botany .....	7
Rhetoricals .....	1

English III. ....	5
Zoology.....	7
Chemistry.....	7
*Com Geo. ....	5
*Com. Law .....	5
Rhetoricals.. ..	1

Com. English III ...	5
Hist of Commerce & Economics .....	5
Bookkeeping .....	10
Typewriting .....	5
Penmanship .....	5
Rhetoricals .....	1

## FOURTH YEAR.

Physics .....	5
Hist. & Civ. ....	5
Trig. & Surveying...	5
Spanish .....	5
Rhetoricals .....	1

Physics .....	5
Hist. & Civ. ....	5
Bookkeeping .....	10
Adv. Phys. ....	7
German I .....	5
Rhetoricals .....	1

Hist. & Civ. ....	5
Stenography .....	10
Typewriting .....	5
Business Office Practice .....	10
Special Penmanship.	5
Rhetoricals .....	1

Physical Training required of all students, and Military Science of all able-bodied male students.

\*Half-year, or half-major courses.

## General Preparatory Program.

## FIRST YEAR.

## Household Arts

English I .....	5
Algebra .....	5
Latin I .....	7
H. A. ....	8
Drawing .....	2
Sight Singing .....	3
Penmanship .....	3

Music, Art and  
Public Speaking.

English I .....	5
Algebra .....	5
H. A. ....	8
Piano .....	1
Drawing .....	2
Sight Singing .....	3
Penmanship .....	3

## English

English I .....	5
Algebra .....	5
Man. Tr. or H. A. ....	8
Latin .....	5
Drawing .....	2
Sight Singing .....	3
Penmanship .....	3

## SECOND YEAR.

English II .....	5
Geometry .....	5
History .....	5
H. A. ....	10
Drawing .....	2
Sight Singing .....	2
Rhetoricals .....	1

English II .....	5
History I .....	5
Geometry .....	
Elect two of the fol- lowing:	
Piano .....	1
Violin .....	1
Voice Culture .....	1
Art .....	5
Public Speaking .....	3
Drawing .....	2
Sight Singing .....	2
Rhetoricals .....	1
Harmony & Hist. of Music.	

English II .....	5
Geometry .....	5
History I .....	5
German .....	5
Drawing .....	2
Sight Singing .....	2
Rhetoricals .....	1

## THIRD YEAR.

English III .....	5
Zoology .....	7
German I .....	5
Piano .....	1
Voice Cult. or Man. Tr. ....	10
Drawing .....	2
Rhetoricals .....	1

English III .....	5
Botany .....	7
German I .....	5
Elect two:	
Piano .....	1
Violin .....	1
Voice Culture .....	1
Art .....	5
Public Speaking .....	3
Drawing .....	2
Sight Singing .....	2
Rhetoricals .....	1
Harmony II .....	1

English III .....	5
Zoology .....	7
History II .....	5
Piano .....	1
Public Speaking or Voice Culture .....	1
Drawing .....	2
Sight Singing .....	2
Rhetoricals .....	1

## FOURTH YEAR.

English IV .....	5
Hist. & Civ. ....	5
Chemistry .....	7
German II .....	5
Rhetoricals .....	1
Piano .....	1

German II .....	5
Hist. & Civ. ....	5
Physics .....	7
Elect two:	
Piano .....	1
Violin .....	1
Voice Cult. ....	1
Art .....	5
Public Speaking .....	3
Rhetoricals .....	1

Physics .....	7
Hist. & Civics .....	5
Elementary Psychol- ogy .....	5
School Manage- ment .....	5
Agr. culture .....	7
Adv. Physiology .....	7
Rhetoricals .....	1
Piano .....	1

Physical Training is required of all students and Military Science of all able-bodied male students.

\*Half-year, or half-major course.

## SUB-PREPARATORY.

For the convenience of young people over fourteen years of age who are not prepared for the regular first-year work, and who do not have the advantage of a good school at home, the University Preparatory School offers one year of work in the common branches. This course is not open to students who are residents of Tonkawa and immediate vicinity. The subjects in this sub-preparatory course appear below:

*First Semester.*

Arithmetic (Milne).

Grammar (Reed & Kellogg).

U. S. History (Montgomery's Students').

Physiology (Davidson).

Reading, Penmanship, Sight Singing, and Physical Training.

*Second Semester.*

Arithmetic.

Composition.

Geography (Elementary Commercial, Adams.)

Agriculture.





Y. M. C. A. CABINET



**DEPARTMENTS OF INSTRUCTION.****ENGLISH.**

The general plan of the English work is to carry on its two phases, literature and composition, throughout the entire four years, and to correlate them so that one supplements and strengthens the other.

The aims of the work in English are as follows: To train students to spell and punctuate properly and to write grammatically; to develop their ability to write and speak clear, forcible English; to give them an acquaintance with some of the best specimens of literature; to give information regarding the history of language and literature.

*English I (major).—Composition:—*The essential principles of practical composition; the five laws of the sentence; the three laws of the paragraph and of the whole composition; the practical application of these laws in daily exercises and in weekly themes during the first semester. In the second semester there is an examination of these principles as found in the best modern prose, and a continued application of them in tri-weekly themes. These themes are for the most part based upon classics studied in class, and upon the required outside reading. An attempt is made to train the student's critical faculty by requiring as a part of daily preparation the criticism of some one else's theme.

Text-books: Herrick & Damon; Scott & Denney.

*Literature:* For study in class—Homer's *Odyssey* (selections); Tennyson, *Idylls of the King*. For careful reading—Ballads, ancient and modern; Bryant, *Thanatopsis*, *To a Waterfowl*; Lincoln's *Gettysburg Speech*.

From a selected list of home readings each pupil is expected to report on at least five books during the year.

*History of Literature:* Attention to whatever in the life of the author or the history of the time may have influenced the masterpiece being considered.

*English II (major).—Composition and Rhetoric:* The writing of themes in connection with the work in literature; careful study of the literary forms; masterpieces read furnish the basis for the study of form and structure.

*Literature:* For class study—Lady of the Lake, Vision of Sir Launfal, Ancient Mariner, De Coverley Papers, Milton's minor poems, First Bunker Hill Oration, and Julius Caesar. For careful reading—Merchant of Venice, Gray's Elegy, one of Scott's Novels, Deserted Village, one of Eliot's novels, selections from Childe Harold, Eve of St. Agnes, Travels with a Donkey, Lorna Doone, and The Cloister and the Hearth.

Home readings and report.

*History of Literature:* Same as in English I.

*English III (major).—Composition:* The material is drawn largely from the productions being studied, and from the history of literature.

*Literature:* For careful study—Chaucer's Prologue and Knight's Tale; Macbeth. For careful reading—Dryden's Odes, Epistles, and Prose; Essay on Criticism, Rape of The Lock, As You Like It, Midsummer Night's Dream, Tale of Two Cities, Henry Esmond, Selections from Bacon, Milton, Bible, Swift, De Foe, Bunyan; De Coverley Papers; Macaulay's Addison; Webster's Orations.

*History of Literature:* A complete outline of history of English literature.

Text-books: History, Pancoast and Halleck; the library furnishes the Golden Treasury and other collections of prose and verse.

*English IV (half major; first semester).—Composition:*—Open to all seniors and to others qualified to carry it successfully; required of all students entering with advanced standing from smaller schools where individual criticism of written work is impracticable. Daily or tri-

weekly short themes; longer essays illustrating exposition, description, narration, and argumentation; the theory of composition thoroughly reviewed by a study of the best authorities; the reading of several classics as models of literary forms and style.

Text-books: Hill, Wendell, Bates, Perry, and others, as reference books.

*English IVa (half major; second semester).—History of the English Language:* This course is necessarily elementary and brief.

*Composition:* Compositions are of considerable length; subjects taken from the work under consideration.

*Literature:* For study in class—Hamlet, King Lear; Speech on Conciliation; Essay on Burns. For careful reading—Comus and Lycidas; Macaulay, Milton and Johnson; Morley, Life of Burke; Browning, Pheidippides, Saul, Prospice, Epilogue to Asolando, and other short poems.

*English IVb (half major; second semester).—American Literature:* Open as an elective to all juniors and seniors, and to such special students as are qualified to pursue it successfully. Extensive systematic reading in the literature of our nation; carefully prepared weekly reports on readings done outside of class.

*Commercial English III (major).—*To complete this course the student must attain professional superiority in the following divisions of practical English:

1. Orthography.
2. Business correspondence.
3. Advertising in its various forms.
4. An acquaintance with common business and legal forms.
5. Proof-reading.
6. Expository writing.

*Special Requirements.*—At least three units in English are required for graduation. Students making a grade of D in English I may be required to repeat part or all of the



year's work. Students conditioned in English II may be required to take a semester's work in English I, if the condition arises from weakness in composition. English IV, including Advanced Composition, is required only of students entering with advanced standing; but students making a grade of D in English III must schedule for English IV. Students failing in any course must re-schedule for it. A spelling test is given early in the first semester, and students not able to make a grade of 90 per cent or above in this test, must take spelling in a regular class.

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### MODERN LANGUAGES.

#### German.

*German I (major).*—This course comprises a careful drill upon pronunciation, the memorizing of idiomatic sentences, drill upon the rudiments of grammar, inflections, use of prepositions, modal auxiliaries, elementary rules of syntax and word order, the translation into German of sentences based upon the reading text, dictation, the reading of one hundred pages of literature in the form of easy stories.

Text: Thomas' Grammar (I). Volkmann's *Kleine Geschichten*; Heyse's *L'Arrabiata*; Wiedemann's *Biblische Geschichten*.

*German II (major).*—This course comprises grammatical drill upon verbs, the uses of articles, cases, auxiliaries, tenses and moods, word order and word formation, constant practice in oral and written paraphrases, abstracts or reproductions from memory of selected portions of the reading matter, the reading of four hundred pages of moderately difficult prose and poetry, and sight reading.

Texts: Thomas' Grammar (II). Exercises in Conversation by Wesselhoeft; Mosher's *Willkommen in Deutschland*; Schiller's *Die Jungfrau von Orleans*; Freitag's *Die Journalisten*, Schiller's *Lied von der Glocke*.



*German III (major).*—This course comprises the reading of about five hundred pages of good literature in prose and poetry, with reference readings on the lives and works of the authors studied, drill upon the principles of grammar and composition, and the writing in German of short themes.

Text: Cutting's Composition. Lessing's Nathan der Weise; Schiller's Wilhelm Tell; Goethe's Hermann und Dorothea; Sheffel's Trompeter von Sakkingen.

#### French.

*French I (major).*—The work begins with a study of the grammar, with emphasis upon inflection of the regular and the more irregular verbs, nouns, adjectives, participles, and pronouns; the partitive and other special constructions, the order of words, the elementary rules of syntax, abundant exercises in composition, memorizing of idioms and poems, writing French from dictation, reproduction of stories read in class, and the reading of one hundred and fifty pages of graduated texts.

Texts: Fraser and Squire's Grammar; Laboulaye's Contes Bleus; Guerber's La Maine Malheureuse; Halevy's L' Abbe Constantin.

*French II (major).*—The object of this year's work is to lead the student to understand both the written and the spoken language, to enable him to read readily at sight, and to write with a fair degree of accuracy. The work consists of exercises in composition illustrating the more advanced principles of grammar, and the more frequent rules of syntax; of dictation in French; of a large amount of sight reading, and of the reading of about three hundred fifty pages of literature.

Texts: Fraser and Squire's Grammar. Victor Hugo's La Chute; Dumas's Tulipe Noire; Sevigne, Selected Letters; Jules Verne's Tour du Monde en 80 Jours; Sandeau's Mademoiselle de la Seigliere.

**Spanish.**

The aim of this course is to afford those who wish it a working knowledge of the language, an opportunity to gain a mastery of the essential principles of grammar, the ability to read easy Spanish literature, and some knowledge of the spoken language, as a foundation for more advanced work.

*Spanish I (major).*—Special attention is given to the essential principles of grammar and the language, to pronunciation and the general rules of syntax. Conversation is based on the events of every-day life and upon the reading lessons. Familiar idioms and short poems are memorized. A considerable amount of literature is read.

Texts: Garner's Grammar; Umphrey's Prose Composition. Alarcon's *Novelas Cortas Escogidas*; Breton's *Quien es Ella?* *El Pajaro Verde*.

**HISTORY AND GOVERNMENT.**

The work of this department is planned to give the student a liberal view of historical problems. Four courses, five hours each week, are offered, extending over a period of four years. *History I* and one other unit are required.

The student is instructed in the use of note books and the drawing of maps. The correlation of history with geography, collateral reading and written reports are important features which are emphasized.

*History I (major).*—This course covers the world's history from the more ancient nations to 800 A. D. Special emphasis is laid upon the history of Greece and Rome.

Text-book: West's Ancient World.

*History II (major).*—This course traces European history from 800 A. D. to the present time. The attention is focused on the real institutions and movements of the middle ages.

Text-book: West's Modern History.

*History III (major).*—This course attempts to give a comprehensive view of the various factors that have produced modern England. This work is vital as preparation for a proper appreciation of American institutions which are studied the following year.

Text-book: Terry's History of England for Schools.

*History and Government IV (major).*—The aim of this course is to create in the student an intelligent attitude toward the financial, political and constitutional development of the United States. Problems of present interest are studied, so that the pupil may be led to a knowledge of the fundamentals of the state and society of which he is a part, and to an appreciation of his duties as a citizen.

Text-books: Channing's History of the United States; Fiske's Civil Government.

### MATHEMATICS.

*Algebra I (major).*—This course embraces the following subjects: The four fundamental operations, simple equations of one or more unknown quantities, fractions, graphs, factoring, involution, evolution, radicals and quadratics. The solution of concrete problems, rather than the manipulation of abstract numbers, is given first place. The student is led constantly to see the connection between algebra and arithmetic.

Text: Slaughter and Lennes' High School Algebra.

*Plain Geometry II (major).*—The object of the course is to train the pupil in logical and connected reasoning, as well as to teach the formal demonstrations of the text. The concrete application of Geometry is emphasized. Much time and attention is given to the solution of the original problems. While oral proofs are used largely in class work, frequent written exercises are required. The course also includes a general knowledge of the history of Geometry.

As soon as the student is able to do so, he is encouraged to devise constructions for himself.

Text: Sanders' Elements.

*Algebra III (half major).*—In this course a review of the work of the earlier course is given, with a view to imparting a broader knowledge than was possible in the first year. In addition, this course takes up theory of exponents, binomial theorem, theory of quadratics, simultaneous quadratics, progressions, ratio and proportion, and logarithms.

Text: Slaughter and Lennes' Advanced Algebra.

*Solid Geometry III (half major).*—The usual theorems and constructions of solid geometry are given in this course, including the relations of planes and lines in space, the properties and measurements of prisms, pyramids, cylinders, and cones, spheres and spherical triangles. Numerous original exercises are given.

Text: Sanders' Elements.

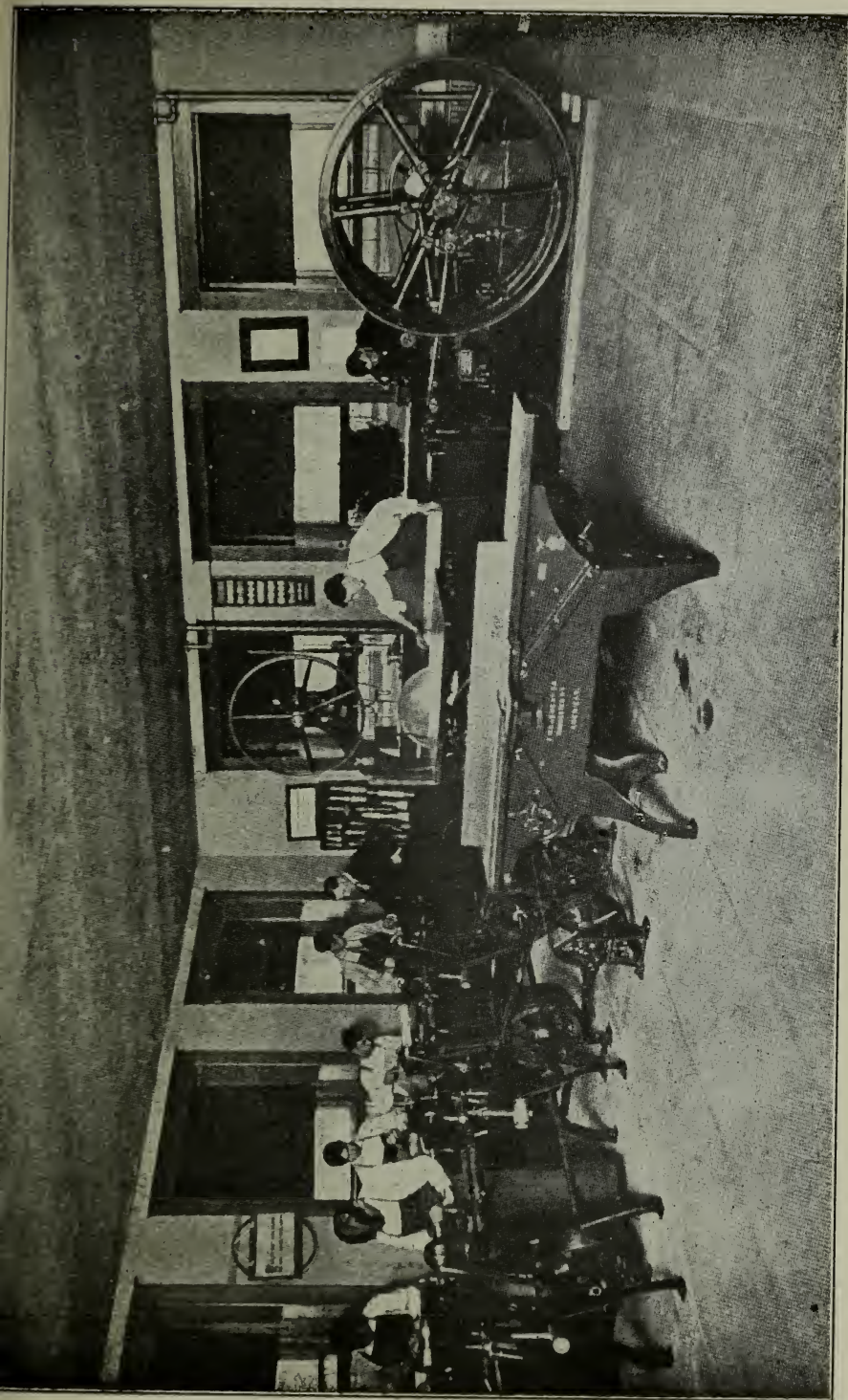
*Plane Trigonometry (half major).*—This course embraces a thorough knowledge of the fundamentals of Plane Trigonometry, including the solution of the right triangle, the development of formulae, the solution of the oblique triangle, and numerous practical problems. The student is led to see and appreciate the wide usefulness of this subject in the solution of problems which arise in surveying and other practical work.

Text: Wentworth's Plane Trigonometry.

*Surveying (half major).*—The object of this course is to give the student a working knowledge of surveying instruments and of the methods of using them. He learns to survey a field, to lay out a town site, to establish a sidewalk grade, to run a line for a sewer or drain, to run a railroad curve, etc. He learns these things by actually doing them for himself under the guidance of the instructor.

Text: Barton's Plane Surveying.





SECOND YEAR MANUAL TRAINING SHOP





## ANCIENT LANGUAGES.

The chief aims of the work in Latin are to learn to pronounce accurately and to read fluently and intelligently the Latin text; to master the inflections of syntax, regarded as a means of expression; to acquire a working vocabulary of fifteen hundred to two thousand words; to translate Latin into idiomatic English; to acquire a mastery of the mother tongue; to obtain an insight into the thought of a people who have contributed so largely to our present civilization.

*Latin I (major).*—Composition work daily based upon the text read; memorizing short prose passages; translation of twelve to fifteen chapters of Caesar's Gallic War, upon which the work of the year is based, thus preparing the student to begin the study of the second year with readiness and ease.

Text: James and Jenks' *Bellum Helveticum*.

*Latin II (major).*—The equivalent of four books from Caesar's Gallic War; one period a week in prose composition; review of Latin Grammar; memorizing selected passages. The reading aloud of both prepared and unprepared passages receives attention in this year, as well as in the two succeeding years.

There is constant correlation of the work in Latin with that in English and History. Reference reading from the library and reports on same are required.

Text: Walker's Caesar; Hale and Buck's Latin Grammar; D'Ooge's Latin Composition (Part I).

*Latin III (major).*—Cicero's four orations against Catiline, with parallel selections from Sallust's, Catiline or

the equivalent of The Manilian Law and The Citizenship of Archias; one period a week of prose composition; memorizing selected passages. In translating, a high standard of excellence in choice of words, and careful discrimination in the use of synonyms are insisted upon. Considerable reference reading is required.

The occasion and object of each oration receive consideration.

Text: Allen and Greenough's Cicero; Hale and Buck's Grammar; D'Ooge's Latin Composition (Parts II and III).

*Latin IV (major).*—Six books of Virgil; one period a week of prose composition, based on the third year's work; memorizing selected passages.

The most important things in this year's work are: (1) An intelligent appreciation of Virgil's story and art; (2) a training in the reading and meter; (3) a study of mythology; (4) the preparation of term papers on assigned subjects relative to the year's work.

Text: Knapp's Virgil; Hale and Buck's Grammar; D'Ooge's Composition (Parts II and III.)

### GREEK.

*Greek I (major).*—The aims of the work in Greek are to secure a mastery of the common inflections and syntactical constructions of the language; to acquire facility in the use of as full a vocabulary as possible; to learn to pronounce accurately and to read intelligently the Greek text; to secure the power to appreciate the form and substance of the language; to gain the power to translate simple Greek into idiomatic English.

The work consists of White's First Greek Book com-

pleted, and as much Xenophon's *Anabasis* as can be covered; practice in the reading of unprepared passages; systematic work in composition based on prose studied.

Text: White's First Greek Book; Goodwin and White's *Anabasis*.

## SCIENCE.

### Agriculture.

Agriculture as a study will appeal to all interested in any way in farming. A scientific understanding of the principles means larger profits, a greater pleasure in the phenomena of nature as seen on the farm, and a better comprehension of the relation of rural success to national prosperity.

That we may better familiarize the student with the essential principles and methods of farming, we offer one year of general agriculture, an advanced course in stock farming, one in horticulture, and an educational course for teachers.

*Agriculture I (major).*—Three recitations and two laboratory periods per week throughout the year.

This course treats of country life, agricultural development, live stock and its care; soils and their management; the production and improvement of field crops; insects and diseases injurious to staple crops; fruit, flower, and landscape, gardening; forestry, road-building, and farm improvements.

Text: Wilkinson's *Practical Agriculture*.

*Agriculture II A (major).*—Three recitations and two laboratory periods per week throughout the year.

This course is open to those who have had work in general agriculture and desire a more comprehensive study of live stock. Horses, cattle, sheep, swine, and poultry are studied with reference to the different breeds, their origin, development, characteristics, adaptation, care, and management.

The laboratory work consists of stock judging, milk testing, compounding rations, the planning of farms, crop rotations, and the planning of buildings adapted to stock farming.

Text: Craig's Live Stock Judging. Brook's Agriculture, Vol. III.

*Agriculture II B (major).*—This course treats of flower gardening, vegetable gardening, and landscape gardening. In addition to text-book study on the varieties, care, and management of plants adapted to table uses, decorative and commercial purposes, practice is given in the various methods of propagating plants; in spraying, pruning, and transplanting; and in designing and laying out gardens and lawns.

*Agriculture III (Educational Course; half major).*—Principles of Agriculture: This is a very greatly condensed course in farm science. It covers briefly nearly every phase of practical agriculture.

Text: Wilkinson's Practical Agriculture.

### **Biology.**

The work in Biology includes unit courses in physiology, botany, and zoology.

Emphasis is placed on individual work by the student

in the laboratory under the personal supervision of the instructor. The school program is so arranged that a double period of the regular program, or ninety minutes, constitutes one laboratory period.

In zoology and botany laboratory work is supplemented by field study in all cases where the laboratory type is represented by related species in the local fauna or flora.

*Botany (major).*—A year's work is given in botany. Plants are studied from the standpoint of ecological, physiological, morphological and economic botany.

Text: Bergen and Davis' Text-book of Botany.

Manual: Bergen and Davis.

*Zoology (major).*—Zoology is required of all third-year students who have not taken botany. The year's work contemplates a comprehensive preliminary survey of all animal life.

Text: Linville & Kelley's General Zoology.

Manual: Linville & Kelley's Guide for Laboratory Work.

*Advanced Physiology (half major).*—A half-year course in advanced and experimental physiology is given, especially recommended for those intending to teach. This course may be elected by third or fourth year students.

Text: Conn & Buddington's Advanced Physiology.

Manual: Eddy's Experimental Physiology and Anatomy.

#### Physical Sciences.

*Physical Geography (major).*—A full year is devoted



to this science, and systematic laboratory work is pursued four hours a week. The department is well supplied with topographic maps, globes, mineral and rock specimens, and fossils.

With these, as well as with the barometer, hygrometer, and thermometer, in the study of meteorology, the student becomes familiar. Field excursions are made as time and circumstances permit.

Text: Elements of Physical Geography, Hopkins.

Manual: Everly Blont and Walton.

*Physics (major).*—In this subject four hours are devoted weekly to recitations and four hours to practical work in the laboratory. During the first semester the subjects studied are mechanics of solids and fluids, and heat; during the second, magnetism and electricity, light and sound.

In addition to this theoretical study, the student is required to complete fifty individual laboratory experiments. The aim in this part of the course is to amplify and illustrate the theory learned in the classroom, to give training in methods of systematic and accurate observation, and to cultivate the ability to express the results obtained, neatly and precisely, on the pages of the note book.

The laboratory is well supplied with the best apparatus, and the equipment is being constantly augmented.

Text: First Course in Physics, Hoadley.

Laboratory Manual: Chute.

*Chemistry (major).*—One year of inorganic chemistry supplemented by a short course in the principles of quali-



tative analysis is offered in this department. Three hours are spent in recitation and four in the laboratory.

In the classroom the aim is first, to elucidate the theory and notation; and, second, to make the study one of practical interest. With this end in view, discussions of the chemistry of every-day life are made a prominent part of the course.

Quizzes covering the work done in the laboratory are held at frequent intervals in order to insure an understanding of the principles involved.

## MANUAL TRAINING AND MECHANICAL DRAWING\*

### Equipment of Shops.

*Bench Work:* Twenty single benches with all the required bench tools; sets of edge tools for each pupil; jig saw, miter saw and clamping vise; a complete assortment of general tools and appliances; tools for copper and sheet metal work.

*Wood-Turning and Sheet Metal-Working:* Twelve lathes; saw bench; hand jointer, band saw, power grindstone, single surfacer, forge, molding trough and tools, fifteen-horse-power gasoline engine.

*I. Bench Work (major).—*Lectures and discussions on the construction, use, and care of tools; together with their effect on race development; woods—their growth, structure, and qualities; sources of our lumber supply,

\*The work in Manual Training is planned in accordance with the recommendation of the Committee on College Entrance Credits of the Western Drawing and Manual Training Association.

methods of milling, and current commercial values; methods of staining and finishing.

Demonstrations of fundamental tool processes.

Problems involving the common joints of wood construction; foot stool; taboret, plate rack, book shelves, leg rest and shoe box, coat and hat rack, picture frame, umbrella stand, cotter, porch swing, library table.

(The list of articles to be made is changed from year to year to suit conditions.)

*II. Wood-Turning and Sheet Metal-Working (major).*  
—Lectures and discussions on the construction, use, and care of the lathe and other machines; construction, and operation of gasoline engine; ascertaining speed of machines; calculating sizes of pulleys for required speeds.

Spindle turning, cylinder, taper, convex curve, concave curve, compound curve, turning to given dimensions, finishing and polishing in the lathe. (Face, plate, and chuck turning.)

Problems involving the various tool processes—chisel handle, rolling pin, Indian clubs, dumb bells, mallet, ball bat, hand mirror, plate, ball, box with lid, napkin ring.

Construction in sheet metal, bending, folding, wiring, and soldering.

Copper work: sawing, beating, hard soldering, repousse, annealing, coloring with heat and chemicals, etching.

*III. Pattern Making, Moulding, and Forging (major).*  
—The theory and use of patterns, how built, how divided



THE ORCHESTRA



and why; pattern making, bench molding of simple and complex patterns; theory and use of cores and core-prints; casting with lead or alloys.

Construction and management of the forge—fundamental processes; drawing, upsetting, bending, punching, splitting, welding, hardening; shaping steel under the hammer; the construction of chains, hooks, forge tools, and wrought-iron articles from original or selected designs.

*I a. Home Decoration (half major).*—This course is planned especially for girls, and is practical in its nature. Its object is to develop taste and interest in the making of the home convenient and attractive. The course is somewhat similar to Course I, except that a wider range is allowed in the choice of articles to be made. After sufficient skill in the use of tools has been acquired, each girl, with the advice of the instructor, is allowed to select such problems as meet her own special interests.

(The courses in Drawing and Manual Training are closely correlated, and a credit of one major is given for each indicated Manual Training course only when taken in connection with the corresponding course in Mechanical Drawing.)

### **Mechanical Drawing.**

The course in mechanical drawing aims to give the student a thorough knowledge of instrumental drawing and an insight into drafting room practice. Although a greater part of the time is devoted to the drawing for accompanying shop work, the course as a whole embodies much more, and ranges from the planning of simple shop prob-



lems to the designing of residences and public buildings. The work is at all times supplemented by lectures.

*I. (4-hour course).*—Lectures on the use and care of instruments.

Conventional lines and cross sections.

Free hand and mechanical lettering.

Isometric and orthographic projections.

Working drawings of shop problems.

*II. (4-hour course).*—Planes of projection, elementary principles of projection, revolution of the planes of projection, projections of simple geometrical figures.

Developments of surfaces.

Intersections of solids. Axes in same plane. Axes in different planes. Elementary architectural and machine drawing.

Tracing and blueprinting.

Working drawings of shop problems.

*III. Review of isometric and orthographic projections.*

Intersections and developments.

Line shading and wash drawing.

Designing for sheet metal and ornamental iron work.

Advanced machine or architectural drawing.

#### **DRAWING AND ART.**

The aim of this department is to teach accuracy and the habit of close observation, and to give the pupils the



ability to express themselves by means of their hands, and recognize the value of simplicity and harmony in their every-day lives.

Attention is given to home decoration and good taste, by a study of standard authorities on those subjects.

Works of leading artists are brought to the attention of pupils, and are made the basis of lectures and discussion.

The department has equipment for chalk-plate engraving and stereotyping. This equipment provides for the printing of designs and illustrations from plates prepared by students.

### **Free-hand Drawing.**

*I a (minor).*—A two-hour course in free-hand drawing is required of all regular students the first year. The pupils will be carefully taught the principles of perspective and how to represent objects by means of pencil and water colors.

Free-hand lettering as a means of decoration will be included.

Drawing from nature and cast, and designing simple decorations will be commenced.

*I b (minor).*—A two-hour course in free-hand drawing is required of all second year students. The plan of the first year will be continued with much work from nature, cast, and pose.

Posters, illustrations for school paper, lettering, composition, and designing included. Mediums used are pencil,

water color, and pen and ink.

*I c (minor).*—A two-hour course for third year pupils. Sketching from nature and life, including memory and original work. Designing of wall paper, linoleum, carpet, and fabrics. Also cartoon work included.

*II a Special (half major).*—A five-hour course in free-hand drawing covering the principles of perspective and representation of objects from nature, cast, and pose. Designing and composition are taught, and pupils encouraged to do original and memory work. Pencil and ink are the mediums used.

Admission by consultation with instructor.

*II b Special (half major).*—A five-hour course in free-hand drawing. This course continues the work done in previous classes. Pupils wishing to complete this course must sketch accurately from nature and pose, draw from memory, compose creditable pictures, illustrate school publications, etc., design from flower and plant life, and be able to draw some original cartoons.

Pupils admitted when they have demonstrated ability in other drawing classes.

Mediums used are pencil, wash, and pen and ink.

Note: A major's credit in drawing may be offered for college entrance.

#### Art.

*III a Special (half major).*—A five-hour course in painting and pencil etching. For admission to this class pupils must be able to draw accurately.

The mixing of paints and reproducing in color and in

black and white are a part of this course. Simple original studies and posters find a place here.

Mediums used are pencil, water color, and oil paint.

*III b Special (half major).*—A five-hour course in painting and pencil etching. Pupils admitted to this class when I A Special is completed satisfactorily.

Original and memory work are done from nature and pose, including landscape. Fruit, figure, flower, and animals are made in pencil, water color, and oil paint.

### HOUSEHOLD ARTS.

*Domestic Science I (Four periods per week; half major).*—Theoretical: Lectures and Discussions on the kitchen, arrangements and care; selection, use, and care of utensils; combination, fuel; the human body; food—its selection, care, economical use, composition, classification; cooking—principles involved, reason for cooking, rules for the combination of ingredients, effect of cooking on the digestibility of food, etc.

Laboratory Work:—Care of kitchen and equipment; preparation of cereals, fruits, vegetables, eggs, milk, beverages, meats, breads, simple salads, cakes, and desserts. Preparing and serving a simple breakfast and luncheon.

*Domestic Science II (Four periods per week; half major).*—Theoretical: Lectures and discussions on the composition and cost of various foods; exactness and finish of work; tasteful and suitable food for combinations; serving; table furnishings; laying of the table for different meals, serving of simple meals.

Laboratory Work:—Review of previous work, elaborating principles taught in Domestic Science I. Pickles,

jellies, preserves, canning, fancy dishes, oysters, salads, soups, entrees, menus, planning, preparing, and serving meals.

*Domestic Art I (Four periods per week; half major).—*Hand sewing the first semester. Machines are used the second semester.

Lectures and discussions are used on the origin of textile arts; primitive methods; the use, construction, and care of tools, their origin and improvement; the chief fibers—cotton, linen, wool, silk; their characteristics, value for clothing, method of manufacture; weaving and spinning, bleaching and dyeing, printing and finishing cloth; the simple stitches and their uses.

Manual Work:—Exercises in basting, running, overhanding, back stitching, overcasting, hemming, gathering; putting on bands; patching and darning; buttonholes; hemstitching and featherstitching; outline, chain, and loop stitches; simple patterns are drafted; use of bought patterns. Models and dainty underwear may be made in the course.

*Domestic Art II (Four periods per week; half major).—*This course is a continuation of Domestic Art I. During the year a complete set of underwear, a tailored shirt-waist, and a simple wash dress are made.

Note:—Domestic Science I and Domestic Art I together count a major.

Domestic Science II and Domestic Art II together count a major.

No credit is given for less than one half major of work,

*Domestic Art III* (Three double periods per week; half major).—Reed and raffia are used; also looms and weaving materials.

Theoretical: Lectures and discussions on the materials used—their sources, preparation, etc.; primitive methods of weaving; modern methods of weaving; bleaching and dyeing; looms; etc.

Manual Work: Picture frames, napkin rings, raffia covered boxes, braided raffia mats, and baskets, simple and advanced basketry, reed mats, lamp mats, wash cloths, rugs, etc. Stenciling various articles.

#### COMMERCIAL DEPARTMENT.

The Commercial Department occupies the third floor of Central Hall. Its commodious quarters furnish ample room for large classes in shorthand, typewriting, and penmanship, and for individual work in business practice, bookkeeping, and office drills.

For the commercial work two courses are outlined in both stenographic and business departments: The Certificate Course and the Diploma Course.

*Certificate Course.*—Students finishing the Certificate Course, and passing a satisfactory examination, will be given a certificate with grades annexed.

This course is complete, and the training given is equal to that given in the best business schools.

*Diploma Course.*—The Diploma Course is outlined to cover two years' commercial work, and students finishing this course and passing a satisfactory examination will be given a diploma.

The students who complete this course are qualified



for the best positions in the business world. It covers all the requirements of the civil service examination; also has as its object the preparation of commercial teachers. In this field alone the demand is much greater than the supply.

In our complete course, by perfecting the work of the students, we give them a training equivalent to two or three years' experience in the business world.

Students will be advised not to take both stenographic and business courses at the same time. Our past experience teaches us that students cannot do satisfactory work in both departments by this arrangement.

Graduates of the regular business course will be allowed to finish the stenographic course in one year. Their credits in Penmanship and English will be accepted in this course. Credits from other departments will not be accepted in commercial work, but students will be required to pass final examinations.

#### Business Course.

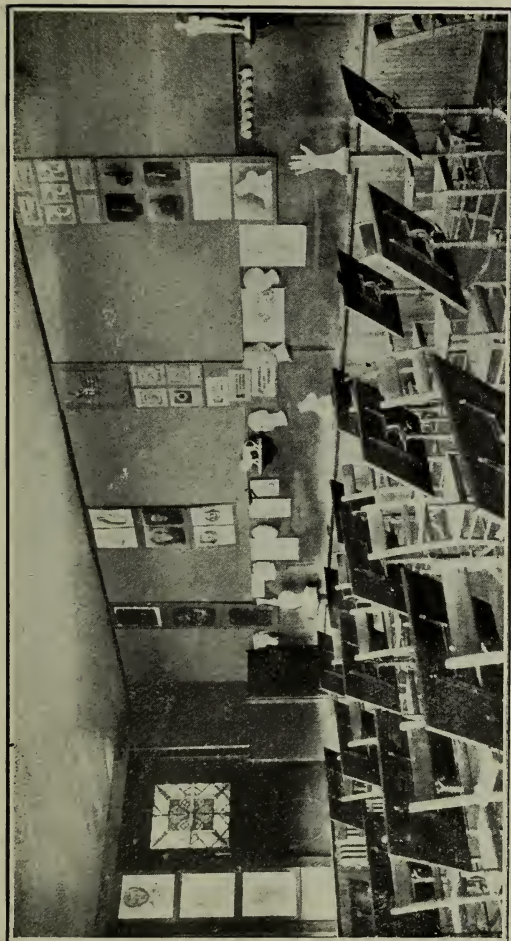
##### (Certificate.)

##### First Half Year.

Bookkeeping (Theory).....	10
Arithmetic .....	5
English .....	5
Penmanship (plain) .....	5
Commercial Geography .....	5
Physical Training.....	3

##### Second Half.

Bookkeeping (retail grocery business, banking and of- fice practice) .....	10
English .....	5
Arithmetic .....	5
Penmanship .....	5
Commercial Law .....	5
Physical Training .....	



THE ART ROOM



## (Diploma.)

*Second Year—First Half.*

Bookkeeping (corporation accounting and inter-communication work with other schools doing the same grade of work) .....	10
English ("ad" writing, display "ads," booklets, proof-reading, etc.) .....	5
Arithmetic (partnership settlements, equation of accounts, cash balances, etc.) .....	5
Penmanship (theory of teaching Penmanship and advanced work, both plain and ornamental) .....	5
History of Commerce .....	5

*Second Half.*

Physical Training .....	3
Rapid Calculation .....	5
Penmanship (continuation of work from first semester) ..	5
Political Economy .....	5
Physical Training .....	3
Bookkeeping (inter-communication work continued, including banking, office practice, systematizing, use of loose leaf and card ledgers, filing devices, and practice on adding machine, letter-press copying, etc. Coal and lumber sets, installment house books, pay rolls, time sheets, railroad rate sheets, real estate and insurance books, will be taken up, explained, and discussed).	

**Bookkeeping and Penmanship.**

*Bookkeeping (major).*—Our course includes bookkeeping, office practice, banking, and inter-communication work.

The study of the theory of the accounts is given careful attention. Much drill in simple exercises is given by which the student masters the system of debits and credits and lays the foundation for the handling of business papers. The student learns the uses of the various books and the simplest methods of recording business transactions.

Retail and wholesale accounting is taken up first with a single proprietor; then partners are taken in, and the methods of opening and closing partnership books are carefully studied. The partnership is then changed to a corporation, which gives the student practice in opening corporation books.

Inter-communication work with other schools is taken up at this point. The students are given a sum of money, which they deposit in the bank. They then rent a store, put in a stock of goods, open up a set of books, and begin trading with other students in their class and with students in other schools. Market prices are used, and the success of the student's business depends upon his business ability. Collections are made through the college banks.

Each branch of our work is in charge of a teacher who has had much training in his special line of work. No student teachers are employed.

\* *Penmanship (major).*—As foundation work, plain business writing is taught. Daily drills in muscular

\*One minor in Penmanship is required of all students, regardless of classification.



movement are given to develop a rapid, legible style of penmanship. Opportunity is given for fine work in expert penmanship.

The course includes the following: Business writing, ornamental (several styles), lettering (several styles), flourishing, card writing, blackboard work, etc. Also method and theory work is given for those who want to prepare for teaching penmanship.

*Commercial Arithmetic I (major).*—In this course the student is given a thorough knowledge of all the ordinary topics of Arithmetic, especially those which are most used in actual business practice. The course opens with a systematic drill in the four fundamental processes, including short methods, and continues through fractions, denominate numbers, practical measurements, percentage, and interest.

*Commercial Arithmetic II (major).*—During the first semester of this course the student takes up the more advanced topics of Commercial Arithmetic, such as equation of bills and accounts, cash balances, partnerships, duties and customs, storage, etc. During the second semester the student is given rapid calculation work in those parts of arithmetic which he will need in actual business.

The work is so extensive as to make the ordinary student a fairly rapid calculator.

Text: Moore's New Commercial Arithmetic.

*Commercial English I (Certificate Course; major).*—The course has for its object the mastery of good business English. The fundamentals of English grammar are given as the basis of this work. Much drill is afforded in the writing of business letters; here good form is insisted

upon, and the student develops some ability to express his thoughts readily and accurately in concise, idiomatic English. Punctuation, spelling and capitalization are especially emphasized.

Toward the close of the year some time is devoted to the study of advertisements and circular letters, for the purpose of illustrating the principles of effective advertising. This work affords a good opportunity for original composition.

*Commercial English II (Diploma Course; major).*—Students to schedule for this course must have completed Commercial English I, or its equivalent. The course opens with a rapid review of fundamentals, but soon takes up more advanced work in the writing of circular letters, booklets and other forms of advertisements, with considerable attention to display features. Proof-reading constitutes a part of the course. Familiarity with various commercial forms is insisted upon.

The object of the course is to develop thoroughly competent office help from the standpoint of English.

#### Economics and Commerce.

*Commercial Law (half major).*—To be successful in business, one must have a knowledge of the laws that govern the various business transactions. This course is designed to equip the student with the fundamental principles, that he may know his rights and avoid legal difficulties.

*Political Economy (half major).*—This course gives the student a knowledge of the principles that underlie the current questions of the day, and arouses in him an inter-

est in the economic welfare of our country. The power of careful reasoning is developed by daily discussion.

*History of Commerce (half major).*—This study is intended to broaden the view of the student and to awaken an appreciation of the commerce of the past. The aim is to take into consideration every influence affecting the growth and significance of the world's commerce, placing special emphasis on the United States.

*Commercial and Industrial Geography (half major).*—Every energetic business man should have a knowledge of the chief articles of commerce, sources of production, important markets, and the rank of commodities in the world's trade. This course is made as broad and as practical as possible.

### Stenography.

*Stenography (major).*—This course has for its object the training for the duties of the stenographer and amanuensis. The mere ability to write shorthand and to operate a typewriter is a small part of such a training. In addition to a knowledge of these branches, it requires an accurate knowledge of the use of words, the ability to write correct English dictation, and to produce correct form.

Barnes' Practical Course in Pitman Shorthand is used. This text casts aside unnecessary theory, and the essentials of shorthand are presented in plain, simple language. The foundation for reporting is carefully laid from the beginning.

Our method of teaching shorthand is a combination of individual and class instruction, with frequent use of the

blackboard and illustrations and drill exercises. The work is unusually interesting, and students reach the dictation classes in a remarkably short time.

Much attention is devoted to the acquisition of speed and to specific training for the practical application of stenography to business and professional life.

*Typewriting (major).*—Typewriting forms no small part of a stenographic training. It demands much more than the mere ability to manipulate the keyboard of a typewriting machine. It requires an accurate knowledge of the English language, the use and meaning of words, and especially must one be proficient in capitalization, punctuation, phrasing, and grammatical construction. The finished product of the typewriter must be perfect in every particular.

The Remington, Underwood, and Smith Premier typewriters are used in giving instruction. Daily practice is required of all students.

Text: Practical Course in Touch Typewriting by Chas. E. Smith.

In this department, students are taught routine office work, such as receiving dictation on the typewriter, carbon duplication, rotary mimeographing, folding, filing, the endorsing and indexing of business and legal documents, addressing envelopes and cards, both vertical and flat filing systems, card files and records, letter-press copying, making out legal and other business papers, use of adding machine.

The completeness of this course and the methods we employ enable us to produce practical stenographers.

(Certificate.)

First Half Year.	Second Half.
Stenography .....10	Dictation and Office Practice 5
Typewriting .....10	Typewriting .....10
English ..... 5	Business Correspondence and
Penmanship ..... 5	Adv. .... 5
Physical Training..... 3	Penmanship ..... 5
	Physical Training..... 3

(Diploma.)

First Half.

Dictation .....	5
Typewriting .....	10
English ("ad" writing, display "ads," booklets, proof- reading, etc.) .....	5
Penmanship .....	5
Bookkeeping (budget system) .....	5
Physical Training .....	3

Second Half.

The work comprises:

Intercommunication in offices; writing from "rough draft;" preparing copy for printer; correction of printers' proof; study of proof-readers' marks; writing letters from dictation of brief outlines; telegrams, cablegrams, and telegraphic codes; study of given names, surnames, foreign names, names of places, streets, etc.; verification of transcripts; reporting chapel and class lectures, sermons, etc.

Business Ethics:

Confidential matters and business secrets; regulations of employer and employee; errors and criticisms; regu-



larity and promptness; salary, promotion, etc.; excuses and special favors; telephone visitors, vacations; suggestions to and criticisms of employers; handling money, proving cash, etc.; gumption, business sense, and present-mindedness; personal habits, dress, deportment.

Texts: Eldridge Dictation Studies;  
Oklahoma Form Book.

### PUBLIC SPEAKING .

*Public Speaking I a (first half; half major).*—Reading, Declamation and Oratory. Two days each week are devoted to special training of the speaking voice; breathing; placing of vowels; articulation of vowels and consonants; pitch; pronunciation; inflection or melody phrasing; expression. The exercises given educate all parts of the vocal instrument to perform their special functions with the greatest ease, freedom, and naturalness. Interpretation of the best literature. Careful attention is also given to the body as an instrument of expression. Frequent lectures on Platform Art and Philosophy of Expression.

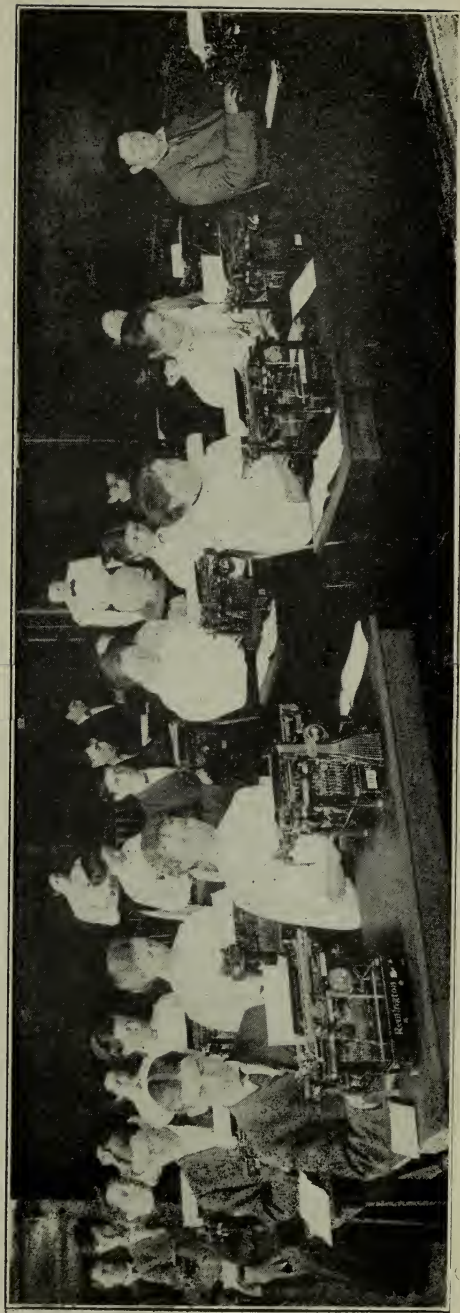
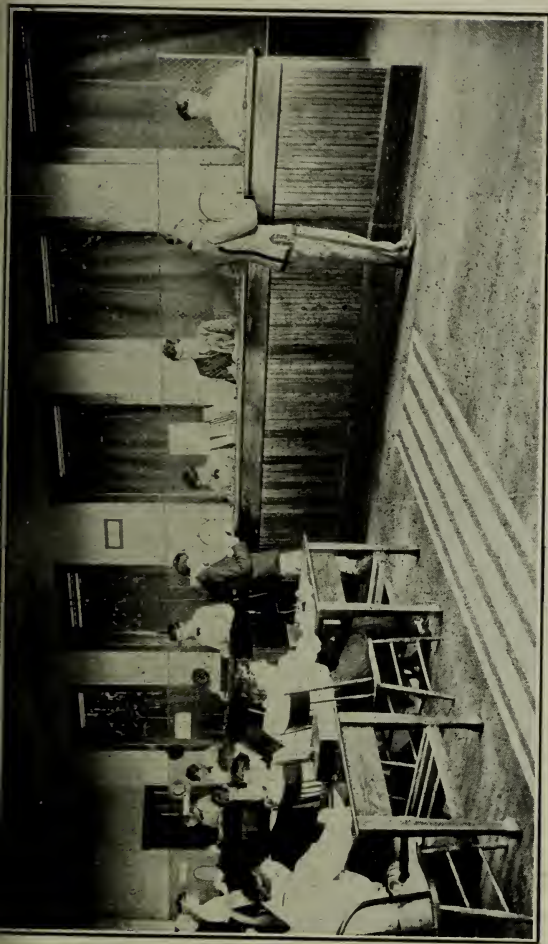
Text Books: The Leland Powers Practice Book; supplementary text, Essentials of Public Speaking by Fulton and Trueblood.

*Public Speaking I b (second half; half major).*—The above continued, together with debate; analysis; brief writing; numerous debates on live questions.

Text Books: Perry's Argumentation, Alden's Art of Debate.

*Public Speaking II (major).*—Individual instruction is given to the more advanced students who wish to prepare for public reading and entertaining, or who desire to

OFFICE PRACTICE,  
COMMERCIAL  
DEPARTMENT



TYPEWRITING CLASS



cultivate a more systematic appreciation of the best literature. But no student will be eligible to this instruction who has not taken the course in Public Speaking I.

Special courses are offered in Dramatic and Platform Art, Literary Interpretation, Shakespeare, Impersonation, and Philosophy of Expression, a careful and definite training of voice and body.

From the beginning, students are taught to analyze every piece of literature correctly,—not merely so that they may state its fundamental truth, but so that they may read each part in the light of the fundamental truth, thus preserving the very flavor and essence and purpose of the literature. The voice and body are so trained that they become adequate mediums of expression.

*Rhetoricals (one hour; minor).*—This course is required of all regular students classified above first year, who are not scheduled for Public Speaking I or II. The course involves instruction in the fundamentals of public speaking, and is conducted as a repertoire class. Its purpose is to render more effective the work of the literary societies, and to take the place of the rhetorical classes.

All written productions for this course and for society programs will, as formerly, be criticised and graded by the English teachers.

The instructor may, at his discretion, excuse from this course students who have already done creditable work in the department of Public Speaking.

#### MUSIC DEPARTMENT.

Students in voice, pianoforte, and violin, receiving a one-hour lesson and practicing ten hours a week and par-

ticipating in ensemble classes, will be given credit for one-half major.

Students receiving one thirty-minute lesson and practicing 3 to 4 hours a week and taking the ensemble work, will be given one minor credit in pianoforte and violin.

Students specializing in music will be given a diploma in music upon completing the following indicated major courses, the required minors, and the regular courses in vocal, piano, or violin music:

English—three majors.

Language—three majors.

History—two majors.

Mathematics—one major.

#### Vocal Music,

Voice Culture—IA, IB, IIB.

Pianoforte—IA, IB, IIA.

Harmony—I.

History of Music—I.

Two additional major credits must be elected from the regular or music courses.

#### Pianoforte Music

Pianoforte—IA, IB, IIA, IIB.

Harmony—I, II.

History of Music—I.

Three additional major credits must be elected from the regular or music courses.



**Violin Music.**

Violin—IA, IB, IIA, IIB.

Pianoforte—IA, IB.

Harmony—I, II.

Musical History—I.

Two additional major credits must be elected from the regular or music courses.

**Voice Culture.**

The aim of our instruction is to secure the distinct, correct, and refined verbal utterance which requires the forward pose of the tone, and the vocal flexibility necessary for graceful delivery of the turn, trill, and other vocal ornaments, and the extension of the vocal range.

Correct breath control and a perfectly loose jaw, the indispensable conditions for the best tone production, are insisted upon. Above all, the highest aim of art is an intelligent and refined interpretation of the words and music, and the maintenance and development of the personality of the student. The following courses are offered:

*Voice Culture Ia (half major).*—Exercises for correct breath control and freedom in tone production; Sieber Studies; easy songs.

*Voice Culture Ib (half major).*—Voice production; Sieber, Concone and Panofka vocalises; ballads and songs.

*Voice Culture Iia. (half major).*—Voice production; Max Spicker's Masterpieces of Vocalization; classical and modern songs; easy operatic and oratorio selections.

*Voice Culture Iib (half major).*—Voice production; Marchesi and Lamperti Vocalises; oratorio and opera work, continued; concert songs.

### School Choruses.

A Men's Glee Club and Ladies' Chorus, limited to twenty-five voices each, meet twice a week and study various modern and classical compositions. These organizations furnish splendid music for chapel exercises, for the monthly vesper services of the Y. M. C. A. and Y. W. C. A., and take part in the various recital programs.

All vocal students are required to join these choruses, unless excused by the director. Three unexcused absences from regular meetings causes the forfeiture of all the privileges of the vocal department. These two choruses unite, and produce an oratorio or cantata and an opera each year.

Quartettes (male, female, and mixed) and other like combinations are drawn from regular members, in good standing, of the above mentioned choruses, and receive special instruction, thus fitting them for society and other public appearances.

### Violin.

The course of study is selected from the works of the best masters. The student is thoroughly grounded in the fundamental principles of violin playing before he is advanced to greater difficulties.

The following shows the material used, which will be adapted to the needs of the student:

*Violin Ia (half major).*—Violin methods as follows: Hohman, 5 books; De Beriot, 3 books; Hermann, 2 books; Dodids, 3 books; Weis Jul, Garland of Flowers.

*Violin Ib (half major).*—Studies: Kayer, H. Rimaly,

Scale Studies; Hermann, book I; Sevvick, Violin Technic, book I; Sitt H., Twenty Studies, book II.

*Violin IIa (half major).*—Casorta, O., Technic of the Bow; Alard, A., op. 10 Melodic Studies; Danda, Ch. Op. 89 Six Air Varies, I series; Dont, J., op. 35, op. 37 Etudes and Caprices; Mazas, F., op. 30, Etudes I and II.

*Violin IIb (half major).*—Kreutzer, R. 42 Studies; Rode, R. 24 Caprices; DeBeriot, Concerto in G. op. 76; De Beriot, 10 Air Varies (10); Paganini, Moto perpetuo; Spohr, L. Duets op. 3; Beethoven, Sonatas for violin et Piano.

Students are required to memorize scales and studies. This develops the sense of hearing and makes them more musical. Those who fail to memorize their work within a reasonable length of time, are suspended from the Music Department.

#### Band and Orchestra.

*Senior Band.*—About twenty-five cadets are detailed by the Professor Military Science for band work.

Besides assisting in entertainments and giving occasional concerts, the band furnishes music at the various athletic contests held at the U. P. S., and for dress parade of the cadet companies.

This work is in lieu of regular drill, except that members must take sufficient drill to enable the band to appear creditably upon the drill ground.

Rehearsals three times a week.

*Junior Band.*—A Junior Band, which meets twice weekly, is formed each semester. This organization consists of young students who have enough musical ability to perform upon the various band instruments. They are required to master the rudiments of music before a musical instrument is given them, and they may receive private in-

struction as long as their progress justifies such attention. Capable students will be promoted to the Senior Band when vacancies occur.

*Orchestra.*—The orchestra consists of about twenty young men and women. It furnishes music for chapel, concerts, commencement, and indoor athletic meets. Almost every instrument useful in an orchestra is present, and both popular and classical compositions are rendered, as well as sacred music for chapel and church.

Students who receive private instruction on any instrument and who have the desired ability may join this organization.

Students should have good instruments in order to accomplish the best results. A good tone cannot be produced on a poor instrument. The band and orchestral instruments are under strict conservatory rules.

#### **Pianoforte.**

The course is intended to give a broad and thorough education based on the classic masters. It also embraces the best works of modern composers.

Holding steadfastly to the principle that the development of the intellectual musical understanding must go hand in hand with technical progress, we carefully select such exercises, studies, and pieces as are adapted to the capabilities of the students in their respective grades. A list of studies and pieces to be strictly adhered to is an impossibility, as the needs of the individual student are to be considered, and the material for practice is to be selected accordingly. The following, however, gives an idea of the work covered in the different courses:

*Pianoforte Ia (half major).*—Finger and hand gymnastics, easy studies by Czerny, Koehler, Loeschhorn, Gumer, Gurlitt, and Lemoine. Scales major and minor.

*Pianoforte Ib (half major).*—Czerny, Douvernoy,

and Loeschorn studies; Sonatinos, Rondos, etc., by Clementi, Kuhlau, Gurlitt, and Haydn. Pieces from Schumann op. 68; Children's Album; Gurlitt, Krug, Lange, Lichner, and Mendelssohn.

*Pianoforte IIa (half major).*—Czerny, Cramer, Bulow and Heller studies; Bach, little preludes and fugues, two and three part inventions. Sonatas by Clementi, Haydn, and Mozart. Selections from Schubert, Weber, Heller, Hiller, Jensen, Bendel, Raff, and Rheinberger.

*Pianoforte IIb (half major.)*—Exercises by Krause; Taussig and Cramer; Clementi Gradus and Permassum; Kullak school of octaves; composition by Schumann, Beethoven, Chopin, Brahms, Liszt, etc. Bach-Wohltemperistes Clavier.

#### Symphony Club.

Twice each week the more advanced piano students play four and eight-hand arrangements of classic overtures, symphonies, and other important works, under guidance of the director. When convenient, violinists and other instrumentalists participate in this playing.

#### Other Ensemble Classes.

Once each week piano students rather less advanced than members of the Symphony Club play four and eight-hand arrangements of works suitable for their grade, and also solos from memory, when prepared to do so.

One afternoon of each week similar work is done by students still less advanced.

Ensemble classes of this kind are provided for in every successful music school. This work insures accurate time keeping and rapid note-reading, while the suggested solo playing prepares for public performance.



**Sight Singing.**

*I (minor).*—Required of all sub-preparatory and first year students. The classes meet three times weekly, and complete books I and II of the Modern Music Series.

This course is required of all voice students, and may be elected by others.

*II (minor).*—Book 3 of the Modern Music series is completed with supplementary exercises and songs.

**History of Music.**

Filmore's Lessons in Musical History is the text.

The student is required to keep a note book and do assigned reading in the library. Required of all students graduating in music.

*History of Music I.*—Entire text. One lesson a week.

**Harmony.**

Chadwick's Harmony is the text.

The first course indicated below is required of all regular music students. Course II. is required of all regular pianoforte and violin students.

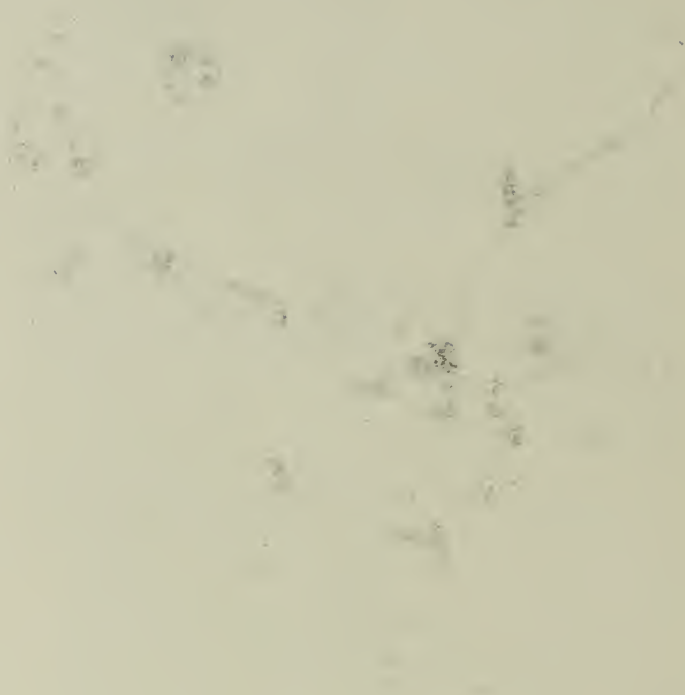
*Harmony I.*—Lessons 1 to 25, twice a week.

*Harmony II.*—Lessons 25 to 72, twice a week.

The combined courses of Harmony and History of Music amount to one major credit.



FOOTBALL TEAM, STATE CHAMPIONS 1909



## PHYSICAL TRAINING.

The aim of this department is to develop in the student habits of hygienic living, so that he may keep the body and mind in the best possible condition.

Gymnasium work is required of all students, unless excused on account of physical disability (four minors credit); and each student must purchase the regular gymnasium uniform.

*Gymnasium.*—At the opening of school in September it is expected that the new Boys' Gymnasium will be ready for use. This will be one of the finest structures of its kind in the Southwest. The main floor will be 112 by 64, and the building will be modern and complete in every detail. There will be an indoor track and a fine swimming pool, steel lockers, splendidly equipped shower baths, and everything required in an ideal gymnasium.

Upon the completion of this building the old gymnasium in Wilkin Hall will be used exclusively by the girls. This will give them a room 65 by 70 feet, with bath and locker rooms on both sides.

On certain days the girls will receive instruction in swimming, in the new gymnasium.

*Athletic Field.*—Ample grounds for football and baseball are set apart at the north side of the campus. Here, too, is the newly prepared quarter-mile track. Several good tennis courts are located east of Wilkin Hall.

*Physical Examinations.*—The physical director's office and examining room is supplied with complete apparatus for taking measurements and strength tests in physical examinations. Such an examination is required of every male student on entering school each year, and again in the spring. Special tests are given candidates for athletic

teams. The results of these examinations are recorded in anthropometric tables, and each boy is given careful training for the correction of weaknesses, until his record approaches the symmetrical.

*Exhibitions.*—There are two annual exhibitions—one in February, the other in April. These show some of the results of the work in physical training, and offer, also, opportunities for the display of individual talent and of attainment in gymnasium work.



**MILITARY.**

*Thomas T. Duke, 1st Lieutenant 23rd Infantry, United States Army, Commandant.*

The University Preparatory School is one of the two schools of the state which have a regular army officer detailed by the President of the United States as Professor of Military Science and Tactics.

The work in this department is required of all male students who are not physically disqualified (four minors credit).

The equipment consists of 160 Krag Jorgensen rifles, caliber 30, bayonets, belts, cartridge boxes, and 40 Krag Jorgensen carbines for the smaller cadets. The government furnishes, also, a suitable amount of ammunition and target material. The school supplies instruments and instruction for the band.

The uniform is cadet gray and consists of blouse, trousers and cap, which cost \$14. White gloves and white military collars are also worn. During the warm weather the cadets wear a blue chambray shirt, and black string tie, in lieu of the blouse. Uniforms must be worn during all military duty. The school furnishes one uniform free to commissioned officers.

The course of instruction covers the following books: Infantry Drill Regulations, Small Arms Firing Regulations, and Manual of Guard Duty, supplemented by lectures by the commandant on field service regulations.

Appointments as commissioned officers are made on the basis of a competitive examination, held the first week of the school year. Non-commissioned officers are selected from those cadets who show ready obedience, zeal, and capacity in the discharge of military duty.

During commencement week a competitive drill is held. The best drilled organization is awarded a prize banner, which remains its property until the close of next year. To the best-drilled cadet a suitable prize is given.

### ORGANIZATION.

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#### Staff.

Commandant—First Lieutenant Thomas T. Duke, 23rd Infantry, U. S. A.

Major, commanding battalion.....Owen Horne

First Lieutenant and battalion adjutant.....Minos Smith

Battalion Q. M. and Commissary, 2nd Lieut.....Bert Brooks

Battalion Sergeant-Major .....Frank Chase

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#### COMPANY A.

Captain ..... Guy Bush

1st Lieutenant .....Clinton Jayne

2nd Lieutenant .....Kieth Dawson

1st Sergeant ..... Alva Morse

Q. M. Sergeant ..... Floyd Parrish

Sergeant ..... Roy Whipple

Sergeant ..... Harry Ogg

Corporal ..... Cassimir Schultz

Corporal ..... Carl Smith

Corporal ..... W. A. Smith

Musician ..... Orville Orr

## COMPANY B.

Captain .....	August Weigl
1st Lieutenant .....	Homer Manny
2nd Lieutenant .....	J. H. Noel
1st Sergeant .....	Claude Johnston
Q. M. Sergeant .....	Earl Plowman
Sergeant .....	Bunnie Booher
Sergeant .....	Clinton Evans
Corporal .....	Guy Miller
Corporal .....	Walter Payton
Corporal .....	Dee Procter
Corporal .....	Albert Heusel
Corporal .....	Robert Bourland

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COMPANY C.

Captain .....	Dan Mahoney
1st Lieutenant .....	Bert Robison
2nd Lieutenant .....	Harold Crawford
1st Sergeant .....	Robert Alexander
Sergeant .....	Otto Walter
Sergeant .....	John Payne
Sergeant .....	Emmett Querry
Corporal .....	Jones Quarles
Corporal .....	Howard Clark
Corporal .....	Albert Talbott
Corporal .....	Lloyd Irby

## BAND.

Captain .....	Jacob Sauerwein
Chief Musician .....	Samuel Daugherty
Principal Musician .....	Mead Campbell
Drum Major .....	Howard Ingram
Sergeant .....	Ray Gregory
Sergeant .....	Joe Newcomb
Sergeant .....	Arthur Lowrance
Sergeant .....	Fred Campbell
Corporal .....	Arthur Secord
Corporal .....	Harry Gregory
Corporal .....	Mark Sandfort
Corporal .....	Cecil Conner

## ROSTER OF STUDENTS

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### POST GRADUATES.

Bierbower, Charlotte A., Tonkawa	Blinn, Lora, Tonkawa
Chambers, Bernice, Tonkawa	Chapman, Lena, Tonkawa
Dunlap, Elizabeth Alexander, Tonkawa	
Garnett, Maude, Tonkawa	
Markham, Otto, Caldwell, Kansas	McDaniel, Leora, Tonkawa
Mavity, Ralph, Tonkawa	
Parrish, Roscoe, Kaw City.	

### FOURTH YEAR.

Bartlett, Maude, Drummond	Bell, John Montgomery, Tonkawa
Bierbrower, Altha Leah, Tonkawa	Brooks, Bert, Hunnewell, Kansas
Bruner, Marjorie Eloise, Tonkawa	Burruss, George H., Ponca City
Burruss, Walter M., Ponca City	Burns, Percy, Ponca City
Campbell, Fred C., Poplar, Montana	Campbell, Mead, Poplar, Montana
Cochran, Dessa, Tonkawa	Corley, Iva, Tonkawa
Crawford, Robert Harold, Tonkawa	
DeVore, Leland, Ponca City	Dickerson, Mildred Ulah, Tonkawa
Finuf, Marion, Kingfisher.	
Harper, Georgia, Tonkawa	Horne, Owen E., Braman
Liegerot, Florence Irene, Tonkawa	Luman, Vera, L., Landon Mills, Illinois
Maple, Maidie A., Salt Fork	McFadden, Josephine, Tonkawa
Melrose, Mary, Tonkawa	
Newcomb, Joseph Oliver, Waukomis	
Smith, Carl, Tonkawa	Stricklen, Olive, Kildare
Snyder, Leslie J., Ponca City	Smith, William Addison, Cuba, Kansas
Suman, Edwin, Ponca City	
Tribbey, Mary, Tonkawa	
Van Slyke, Elsie Lucile, Tonkawa	Van Slyke, Frank Eugene, Tonkawa
Walling, Dora, Eddy	



## THIRD YEAR.

Adams, Robert, Lamont  
Aikins, Grace, Lamont  
Allen, Gladys B., Tonkawa

Baird Florence Marie, Billings  
Bridges, Dorothy, Tonkawa  
Burr, Maude A., Tonkawa

Corkill, William Edward, Tonkawa  
Crawford, Mona, Tonkawa

Edwards, Alta M., Ponca City

Faris, Guy Samuel, Billings

Hebbe, Ortie May, Tonkawa  
Henderson, Blanche, Lamont  
Hollar, F. DeWitt, Jefferson

Jayne, Clinton, Covington

Magruder, Glenn, Tonkawa  
McClellan, Emma Margery, Tonkawa  
McFadden, Effie Marie, Tonkawa

Miller, Bernice F., Tonkawa  
Miller, Gladys Fay, Tonkawa  
Miller, Nella M., Enid

Neil, Dan, Billings

Payne, Jennie Harlan, Tonkawa  
Procter, Dee, Lamont  
Robison, Hugh Bert, Tonkawa

Schwab, Bessie A., Tonkawa  
Secord, Arthur, Nashville  
Slayback, Ruth Evelyn, Ponca

Wallace, Mabel O., Hunnewell, Kansas  
Walter, Otto, Tonkawa  
Weigl, August, Bliss  
Williams, Ruby Imogene, Tonkawa  
Wright, Florence Alice, Tonkawa

Adriance, Edith, Tonkawa  
Allen, Charlie Clarence, Lamont

Barker, Carrie M., Tonkawa  
Browne, Henry R., Autwine  
Bush, Guy Seward, Tonkawa

Crawford, Ethel Irene, Tonkawa  
Crawford, Pearl Ellen, Tonkawa

Herberling, Helen, Lamont  
Hoffman, Leona Lucile, Eddy

Lowrance, Arthur, Alluwe

Martin, Lottie E., Thomas  
McCune, Stanley, Caldwell

Miller, Emma Geneva, Nardin  
Miller, Leora Gladys, Kaw City  
Milligan, Joel R., Nashville

Noonan, Hazel, Billings

Plowman, Earl E., Tonkawa  
Reed, Lillian B., Tonkawa

Sebits, Marguerite, Caldwell, Kansas  
Settergreen, William, Lamont

Walker, Sadie, Tonkawa  
Warner, Amy L., Tonkawa  
Whinery, Marie Elizabeth, Tonkawa  
Worstell, Vard Thomas, Bixby

## SECOND YEAR.

Allen, Mae, Tonkawa  
Auten, Carrie, Tonkawa

Ansel, Jessie, Tonkawa



DOMESTIC SCIENCE CLASS



Bird, Jack Florer, Pawhuska	Bowlin, Roy L., Enid
Calhoun, Gerald Arthur, Purcell	Conner, Cecil L., Covington
Coble, Swayze V., Indianapolis, Indiana	Chase, Frank Russell, Eddy
Dorsett, Hazel, Tonkawa	Drummond, Neva H., Mulvane
Dorsett, Glenn, Tonkawa	
Evans, Fred, Tonkawa	
Ferneau, Marie, Hunnewell, Kansas	Fields, Jesse, Dewey
Goodson, Willard, Tonkawa	
Harvey, Lynden H., Tonkawa	Helmbrecht, Myrtle H., Tonkawa
Hecox, Linda I., Tonkawa	Hildinger, Carrie B., Nashville
Hood, Rena Belle, Braman	
Jennerson, Matie Leah, Whiteagle	Johnston, Claude Everette, Tonkawa
Klein, Grace Alma, Tonkawa	Knable, Nella Beryl, Tonkawa
Mahoney, May Georgia, Tonkawa	Mahr, John Fair, Shawnee
McCluney, Eunice Llewellyn, Bison	Mendenhall, Charles F., Billings
McCune, Homer B., Caldwell, Kansas	Morse, Alva, Tonkawa
Morse, Hattie, Eddy	Mortenson, Anna Louise, Blackwell
Neeley, N. Myrtle, Perry	
Ogg, George Clemence, Tonkawa	
Park, Gladys, Salt Fork	Parrish, Floyd, Kaw City
Payne, John Newton, Tonkawa	Plowman, Ruth A., Tonkawa
Prentiss, Harley Merton, Fairfax	
Quarles, Jones, Fairfax	Querry, Georgia, Tonkawa
Schug, Lora, Tonkawa	Schultz, Cassimir Herman, Shawnee
Secord, Mildred, Nashville	Smith, Dena Leona, Tonkawa
Smith, Minos Arthur, Tonkawa	Somerville, Howard Archie, Tonkawa
Stall, Louise Cassandra, Tonkawa	Stewart, Isaac Dillon, Arkansas City, Kansas.
Teter, Carl Frederick, Ponca City	Thompson, Edwin H., Tahlequah
Tidwell, Loren, Kinta	Trueblood, Lena Beryl, Tonkawa
Walling, Via, Eddy	Warner, Mabel E., Tonkawa
Young, Marlon Sylven, Tonkawa	

## FIRST YEAR.

Adrianee, Theodore D., Tonkawa

Allen, Ellen, Tonkawa

Bancroft, Earbee, Bickford

Barclay, Cora E., Tonkawa

Barkley, Walter Everett, Nashville

Bastin, Marguerite, Drummond

Blasdel, Gusta, Tonkawa

Bleakmore, Frank, Ardmore

Bolick, Mae, Tonkawa

Borneman, Mathilda A., Hunter

Branscon, Guy L., Valley Falls, Kansas

Brewer, Susie, Tonkawa

Brewer, Viola, Tonkawa

Brookhart, Ernest L., Morrison

Browne, Ralph, Autwine

Bryan, Stuart, Shawnee

Bufford, John, Tonkawa

Bunch, Goldie Belle, Tonkawa

Bush, Maud, Eddy

Bush, Ray, Tonkawa

Chambers, Orlin, Tonkawa

Chapman, Burchard Boyd, Tonkawa

Chase, Myrtle E., Eddy

Civish, Emma, Tonkawa

Clark, Edwin Howard, Tonkawa

Clendenning, Ethel May, Tonkawa

Clendenning, James Clark, Tonkawa

Conner, Lulu, Lamont

Craik, Edna, Tonkawa

Dougherty, Geo. Louis, Covington

Dorsett, Elda A., Tonkawa

Edwards, Eric Stanley, Tonkawa

Edwards, John Herschel, Ponca City

Edwards, Helen G., Ponca City

Fairless, Anna Maude, Tonkawa

Faulds, Emma L., Tonkawa

Faulds,, Golda Luella, Tonkawa

Fruits, Edith Hellen, Eddy

Fruits, Lena May, Eddy

Garrett, Thomas Rogers, Tonkawa

Gillespie, John William, Blackwell

Giroux, Ernest, Tonkawa

Greenshields, Bruce, Autwine

Greenshields, Bryce, Autwino

Griswold, Glenn, Guthrie

Heusel, Albert Frederick, Salt Fork

Hildinger, Andrew H., Nashville

Hockman, Herman G., Braman

Hockman, Harry D., Braman

Hopkins, Charles Thomas, Wichita, Kans.

Inlow, Nellie, Tonkawa

James, Vivian Hazel, Tonkawa

James, Wilbur Eugene, Tonkawa

Johnson, Claude L., Tonkawa

Johnson, Earl, Tonkawa

Jones, Mack Marquis, Tonkawa

Keith, Clayton L., Tonkawa

Keith, George Erwin, Tonkawa

Keith, Glades Elizabeth, Tonkawa

King, Homer P., Breckenridge

Limbocker, Lottie Leigh, Tonkawa

Linton, Alpha, Tonkawa

Lipe, Clark, Sageeyah

Lowman, Joe, Bixby

Magruder, Iva, Tonkawa

Mahoney, Harold Orvis, Tonkawa

Martin, James Nelson, Ft. Collins, Colo.

Mason, Myrtle, Garber

Mason, Nannie, Garber

McBrian, Downing, Ryan

McGee, Bernice Mable, Tonkawa

McPherson, Verna C., Tonkawa

Menefee, Amy Luella, Newkirk

Miller, Guy Fuller, Tonkawa



Miller, Harold Whitman, Nardin  
 Miller, Olive Pearl, Tonkawa  
 Morse, Mildred, Tonkawa

Newland, Frank, Tonkawa

Ogg, Harry Young, Tonkawa

Payton, Walter, Tonkawa

Rentfrow, Laura, Pond Creek

Sandfort, Mark, Verden  
 Scott, Alta Muriell, Tonkawa  
 Seacat, Myrtle, Tonkawa  
 Siler, Laura E., Tonkawa  
 Smith, Fred, Tonkawa  
 Smith, Lena, Tonkawa  
 Starr, Fred, Tonkawa  
 Strange, Florence, Tonkawa

Taylor, Della, Renfrow  
 Tall Chief, Alexander, Fairfax  
 Thompson, Hilda Adelaide, Tonkawa  
 Tribbey, Cyrenius, Tonkawa

Wallace, Ethel, Braman  
 Warner, Paul Raymond, Watonga  
 West, Isabel, Tonkawa  
 Whipple, Myrtle May, Tonkawa  
 Wilkins, Alice Marie, Tonkawa  
 Wommack, Fred, Braman  
 Youmans, Ray Orlando, Tonkawa

Miller, Hugh Durham, Tonkawa  
 Miller, Ruth Agnes, Nardin

Oxley, Lewis B., Tonkawa

Procter, Jesse, Lamont

Schug, Lloyd, Tonkawa  
 Scott, Ray Earl, Tonkawa  
 Schroyer, Lola, Tonkawa  
 Smith, Blaine Henry, Tonkawa  
 Smith, Lavara, Tonkawa  
 Snyder, Laura, Lamont  
 Stewart, Mamie Dee, Fairfax

Thompson, Marguerite Naomi,  
 Tonkawa  
 Trueblood, Lois, Tonkawa

Wallace, William Henry, Braman  
 Warner, John Cyril, Tonkawa  
 Wheeler, Commodore Perry, Blackwell  
 Whipple, Nellie Jeanette, Tonkawa  
 Williams, Ruby, Lake, New Mexico  
 Wortman, Vohrey, Mulhall

#### SUB-PREPARATORY.

Alexander, Mary Frances, Braman  
 Alley, Eva, Tonkawa

Barclay, James Roy, Tonkawa  
 Brackett, Mildred Elizabeth, Mooreland  
 Breedon, Mary Alma, Eddy

Clavin, Maude Ellen, Bliss  
 Crow, Ernest M., Tonkawa

Fauchier, Ray Enos, Eddy

Fruits, Irven, Eddy

Garnett, Lola, Tonkawa

Heldenbrand, William Henry, Tonkawa  
 Huffman, Ola May, Eddy

Irby, Lloyd, Tonkawa

King, Enda B., Tonkawa

Allen, Laney, Tonkawa

Bartow, Hal Lee, Eddy  
 Brantner, Claude Leonard, Tonkawa  
 Brown, Charles Ned, Tonkawa

Criswell, Alice, Blackwell

Frass, Julius, Darlington

Heusel, Chester Arthur, Salt Fork

Liegerot, Walter Stratton, Tonkawa  
Lorry, Hazel Alice, Tonkawa

McBrian, Doyle, Ryan  
McNeil, Lloyd D., Tonkawa

Noel, Mabel, Tonkawa

Osborne, Ola, Tonkawa

Pettit, George Kelly, Tonkawa  
Pyles, Ray, Dewey

Querry, Emmet, Tonkawa

Reed, Lura, Billings

Scott, Arthel Gilbert, Tonkawa  
Secord, Lucile, Nashville  
Smith, Leroy, Tonkawa  
Snyder, Lee, Lamont  
Talbot, Albert Merle, Billings  
Tucker, Arthur, Pond Creek  
Wells, Katie, Billings  
Young, Alberta Pearl, Tonkawa

Lorry, Blanche E., Tonkawa

McFadden, Joseph Edie, Tonkawa  
Miller, Edna May, Tonkawa

Prentiss, Harry, Fairfax

Robison, Bertha May, Tonkawa

Secord, James Earl, Nashville  
Six Killer, Mabel, Chouteau  
Smith, Lyle, Tonkawa  
\*Switzer, Roy Garfield, Tonkawa  
Thompson, Grace Valentine, Tonkawa  
Weatherly, Jesse R., Enid  
Whitebuffalo, John, Watonga

# COMMERCE

Aikins, Harley, Fairfax  
Alexander, Robert N., Braman  
Anderson, Alma, Tonkawa

Bagwell, Charles S., Fairfax  
Baneroft, George Eastland, Bickford  
Beaulieu, Wilbur Neal, Welch  
Blasdel, Clinton C., Tonkawa  
Booth, Charles, Tonkawa  
Brackett, Jack, Tonkawa  
Brown, Floyd Harlan, Braman

Callahan, James William, Morse  
Clavin, Elsie, Bliss  
Creel, Joe, Tonkawa

Daugherty, Samuel Isaac, Canton  
Davis, Lucy Mildred, Lamont

Easterday, Herman McDonald, Braman  
Evans, Clinton, Hennessey

Farrand, Robert, Kingfisher

Gaines, Howard K., Fairfax

Greer, Merrill Earl, Nashville  
Gregory, Ray, Tonkawa  
Guisinger, Jessie, Tuttle

Harp, Herman Roy, Peckham

Alexander, Ersie, Braman  
Albright, Hugh Kiowa, Sheridan, Colo.

Baker, Charles, Waukomis  
Baneroft, C. R., Bickford  
Bittle, Lois Edna, Tonkawa  
Booher, Bunnie, Salt Fork  
Brackett, Frank, Mooreland  
Broadus, William Irvin, Pawhuska.  
Brown, Mary, Ponca City

Chambers, Mary, Tonkawa  
Corn, Harry, Salt Fork  
Cronkhite, Buell, Watonga

Davis, Grace, Tonkawa  
Davis, Mabel, Lamont

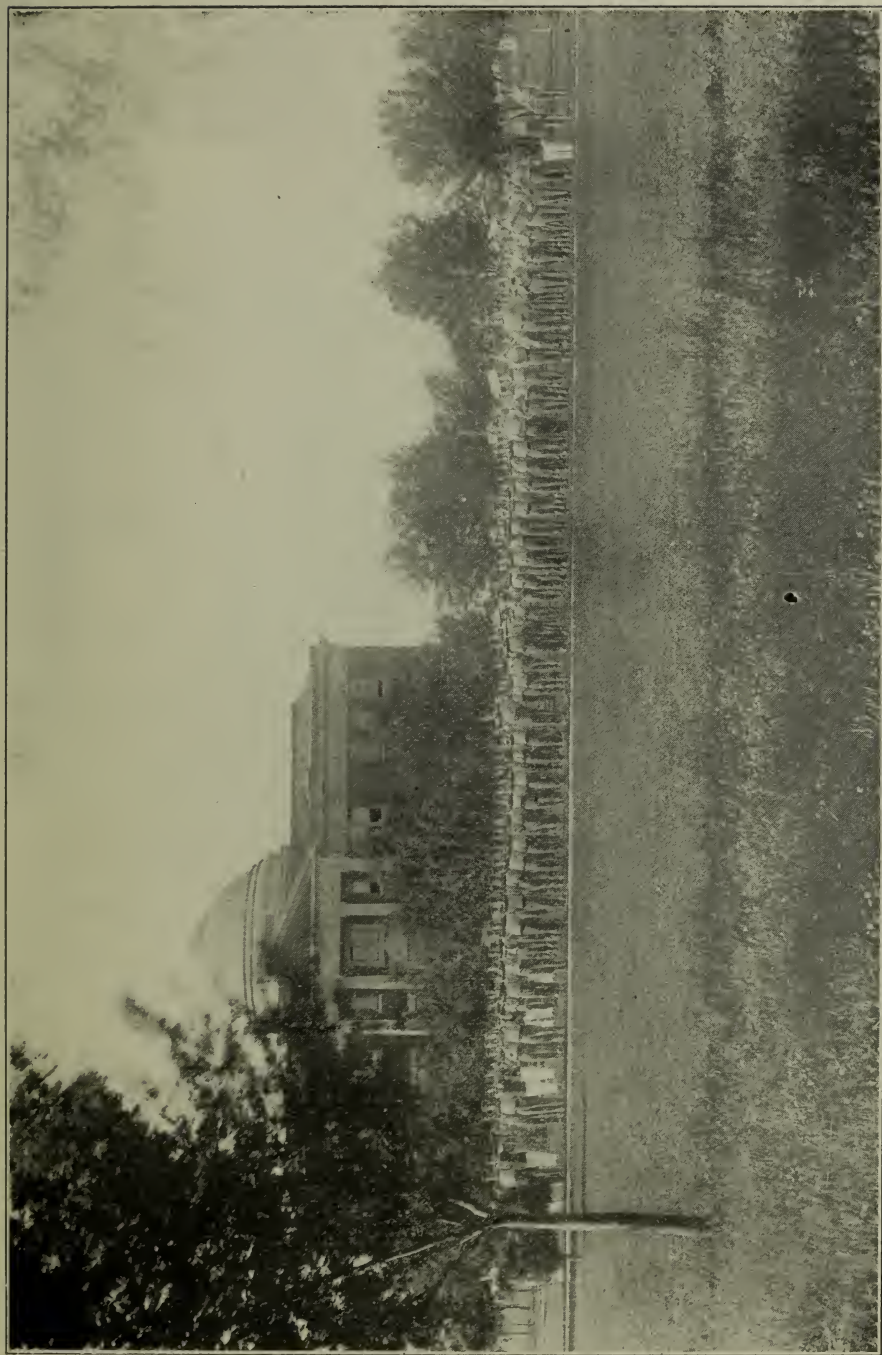
Evans, Carrie, Tonkawa  
Evans, Vera, Tonkawa

Garrett, Oliver Leo, Mooreland

Gregory, Harry, Tonkawa  
Gordon, Lester Lee, Elmwood

Hartley, Lota, Tonkawa

\*Deceased



THE BATTALION, BUTTS MANUAL  
WILKIN HALL IN BACK GROUND



- |   |                                  |
|---|----------------------------------|
| Hartley, Mabel E., Tonkawa                      | Hartman, Emma Alma, Braman       |
| Hartman, Mary Elizabeth, Braman                 | Hess, Minnie, Billings           |
| Hill, Maple Fern, Hunnewell                     | Hoblitt, Anson, Tuttle           |
| Hook, Thomas William, Norborne                  | Hoskins, Myrtle Mae, Tonkawa     |
| Huster, Mildred M., Arkansas City, Kan.         | Hutchins, Bailey D., Tonkawa     |
| Hyten, Lulu M., Caldwell, Kansas                |                                  |
| Ingle, Mark B., Hennessey                       | Ingram, Howard, Salt Fork        |
| James, Clara E., Tonkawa                        | Lindsay, Gertrude, Tonkawa       |
| Lorry, Anna B., Curtis                          |                                  |
| Madaris, Ethel Barton, Blackwell                | Mahoney, Frank A., Tonkawa       |
| Mahoney, Dan, Tonkawa                           | Manny, Homer, Tonkawa            |
| Mason, Lillie, Tonkawa                          | McAninch, Florence Eva, Tonkawa  |
| McDaniel, Vernon Eldrick, Tonkawa               | McFadden, Charles S. Tonkawa     |
| McRay, Alonzo Lewis, Chandler                   | McRay, L. Maude, Chandler        |
| Miller, Ethel I., Tonkawa                       | Minihan, Clement, Enid           |
| Minihan, John, Enid                             | Moore, Hazel, Blackwell          |
| Mortenson, George Elmer, Blackwell              | Mounts, Grace, Tonkawa           |
| Nave, Elmer Henry, Blackwell                    | Newcomb, Guy W., Braman          |
| Newell, Lynden Arthur, Garden Prairie, Illinois | Noel, J. H., Tonkawa             |
| O'Mealey, Nina Naomi, Tonkawa                   | Orr, Orville, Tonkawa            |
| Oxley, Louise, Tonkawa                          |                                  |
| Patton, Arthur, Lamont                          | Pettit, Emory, Tonkawa           |
| Peck, Tracy, Clayton, Illinois                  | Rader, Guy Meredith, Nardin      |
| Pettit, Florence Edna, Tonkawa                  | Rader, Vera Marguerite, Nardin   |
| Rader, Minnie Lillian, Nardin                   | Rhea, Roy H., Norborne, Missouri |
| Reed, Effie K., Billings                        | Rice, Anna, Ponca City           |
| Rhoades, Carl G., Nardin                        | Rogers, Opal, Blackwell          |
| Rodgers, Raymond E., Winfield, Kan.             | Ruzek, Beatrice Estelle, Tonkawa |
| Rollier, Jerry, Eddy                            |                                  |
| Payne, Fannie, Tonkawa                          | Serviss, Loula, Salt Fork        |
| Sander, William A. Renfrow                      | Somerville, Oliver, Tonkawa      |
| Snipes, William Wirt, Ponca City                |                                  |
| Soper, Antone, Hunter                           | Stahl, Ammon L.                  |
| Sutherland, John F., Kildare                    |                                  |
| Tilford, Bert, Mooreland                        | Travis, Berman Allen, Peckham    |
| Vandruff, Jae Wesley, Pawhuska                  | Vincent, Ray E., Tonkawa         |
| Walter, Nellie M., Tonkawa                      | Walter, Robert R., Tonkawa       |
| Wayman, Afra, Tonkawa                           | Wentz, Adolphus M., Lamont       |
| Whipple, Roy, Blackwell                         | Whitchurch, Millie J., Blackwell |
| Wiley, Dora E., Tonkawa                         | Wilkins, Laurence, Tonkawa       |
| Willhour, Lulu Kathryn, Tonkawa                 | Wishard, Anna, Tonkawa           |
| Wogoman, Odessie, Caldwell, Kansas              |                                  |
| Yount, Roy O., Tonkawa                          |                                  |



SPECIALS.

Bittle, Velma Belle, Tonkawa	Barker, Iva, Tonkawa
Bell, Josephine, Tonkawa	Bourland, Robert Love, Ardmore
Bridges, Mazee Rue, Tonkawa	Briggs, Rose C., Tonkawa
Brown, Harry J., Tonkawa	Bruner, Floyd Emery, Tonkawa
Bunting, Hazel, Fairfax	
Campbell, Ella, Poplar, Montana	Clagett, Kate, Tonkawa
Clifton, L. L., Tonkawa	Cragin, Christena, Tonkawa
Dale, Myrtle, Billings	Davis, Hazel Wilma, Tonkawa
Davis, Rebecca, Tonkawa	Dawson, Keith, Springfield, Missouri
Dubach, Ida, Tonkawa	
Evans, Leona, Tonkawa	Evans, Maude, Tonkawa
Finley, Dorothy, Tonkawa	
Goulden, Viola, Braman	Grinstead, Zelma, Nardin
Harris, Ruth, Ponca City	Hyten, Letha, Caldwell, Kansas
Jones, Opal, Waunita, Kansas	
Lamb, Delnore, Wichita, Kansas	Lounsbury, Alda M., Hunter
McAninch, Ethel M., Tonkawa	McPherson, Vera L., Tonkawa
Mills, Lon E., Tonkawa	Moss, Clarence Earl, Tonkawa
Mossler, Sadie Mae, Lucien	Murphy, Dollie Benton, Tonkawa
Oakley, Fannie Mary, Tonkawa	Oliver, Hazel Glenn, Drummond
Orr, Gwendolen, Tonkawa	
Procter, Cecile Constance, Lamont	
Reed, Hattie Eunice, Billings	
Schug, Edna, Tonkawa	Stewart, Fannie Bell, Tonkawa
Stricklen, Olive, Tonkawa	Swift, June, Newkirk
Tidwell, Lucile, Kinta	Tilford, Lena, Tonkawa
Williams, Nora E., Tonkawa	Wogoman, Delores, Caldwell, Kansas
Wogoman, Faye, Caldwell, Kansas	Wommack, Lulu Marian, Braman
Wood, Ruth, Braman	
Yount, Inis B., Tonkawa	

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